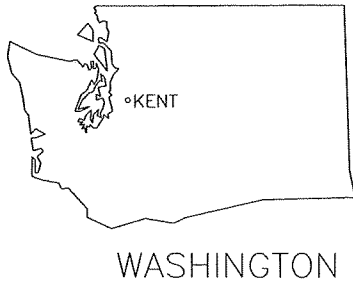


SLAG DISPOSAL BECKWITH PROPERTY SITE EXCAVATION PROJECT

SLAG DISPOSAL BECKWITH PROPERTY SITE
SOUTH 218TH STREET AND 90TH AVENUE SOUTH
KENT, WASHINGTON



REFERENCE: 7.5 MINUTE USGS QUADRANGLE KENT, WASHINGTON. DATED 1994

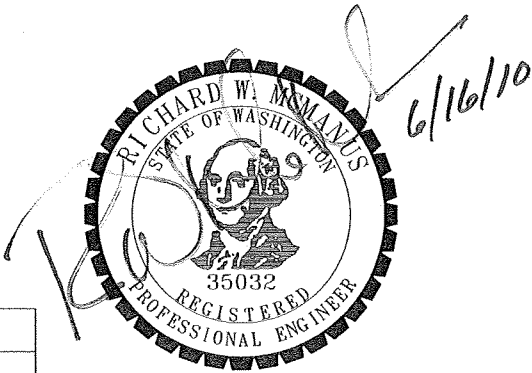


WASHINGTON

DRAWING INDEX

SHEET NO.	DRAWING TITLE
CIVIL	
1	TITLE SHEET, SITE LOCATION MAP, AND DRAWING INDEX
2	GENERAL NOTES, LEGEND, SYMBOLS, AND ABBREVIATIONS
3	SITE PLAN
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	6/16/10	ISSUED FOR CONSTRUCTION	DEW	HF	RM
	DATE	DESCRIPTION	BY	CKD.	APP.

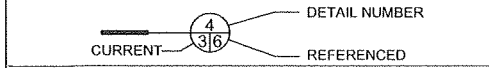


PREPARED BY  FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON TITLE SHEET, SITE LOCATION MAP, AND DRAWING INDEX	SCALE AS SHOWN PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. OF 1 12
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ELECTRICAL ABBREVIATIONS

A/AMP	AMP
AC	ALTERNATING CURRENT
BD	BUS DUCT
C	CURRENT
CB	CIRCUIT BREAKER
CLG	CEILING
DC	DIRECT CURRENT
DIS	DISCONNECT
DP	DOUBLE POLE
DT	DOUBLE THROW
EG	ENCLOSED AND GASKETED
E(OH)	ELECTRICAL (OVERHEAD)
E(UG)	ELECTRICAL (UNDERGROUND)
EMER	EMERGENCY
EPO	EMERGENCY POWER OFF
EMT	ELECTRICAL METALLIC TUBING
EXP	EXPOSED
FBO	FURNISHED BY OTHERS
FLEX	FLEXIBLE METAL CONDUIT
FRN	DUAL ELEMENT FUSE
GEN	GENERATOR
GFIC	GROUND FAULT INTERRUPTER
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO SWITCH
IRD	INFRARED DETECTOR
HP	HORSE POWER
HZ	CYCLES PER SECOND
JB	JUNCTION BOX
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
M	MOTORMOTOR STARTER COIL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NO	NORMALLY OPEN
OL	OVERLOADS
PBS	PUSHBUTTON
PF	POWER FACTOR
PL	PILOT LIGHT
PLC	PROGRAMMABLE LOGIC CONTROLLER
RC	RIGID CONDUIT
RCPT	RECEPTACLE
SN	SOLID NEUTRAL
SP	SINGLE POLE
ST	SINGLE THROW
SW	SWITCH
TF/TRAN	TRANSFORMER
UF	UNDERFLOOR
UG	UNDERGROUND
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VP	VAPOR PROOF
WHT	WHITE
WP	WEATHER PROOF
XP	EXPLOSION PROOF

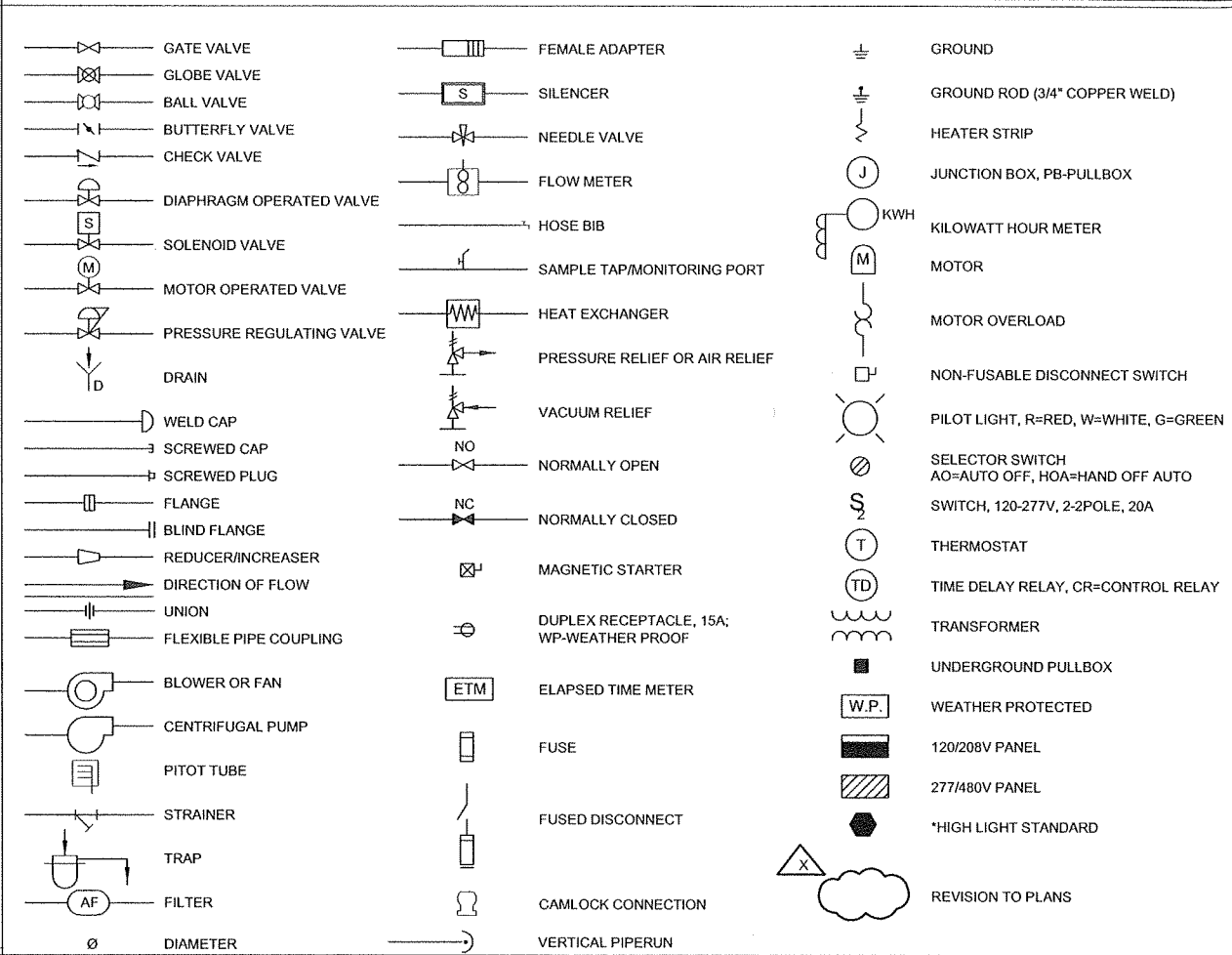
STANDARD SYMBOLS	
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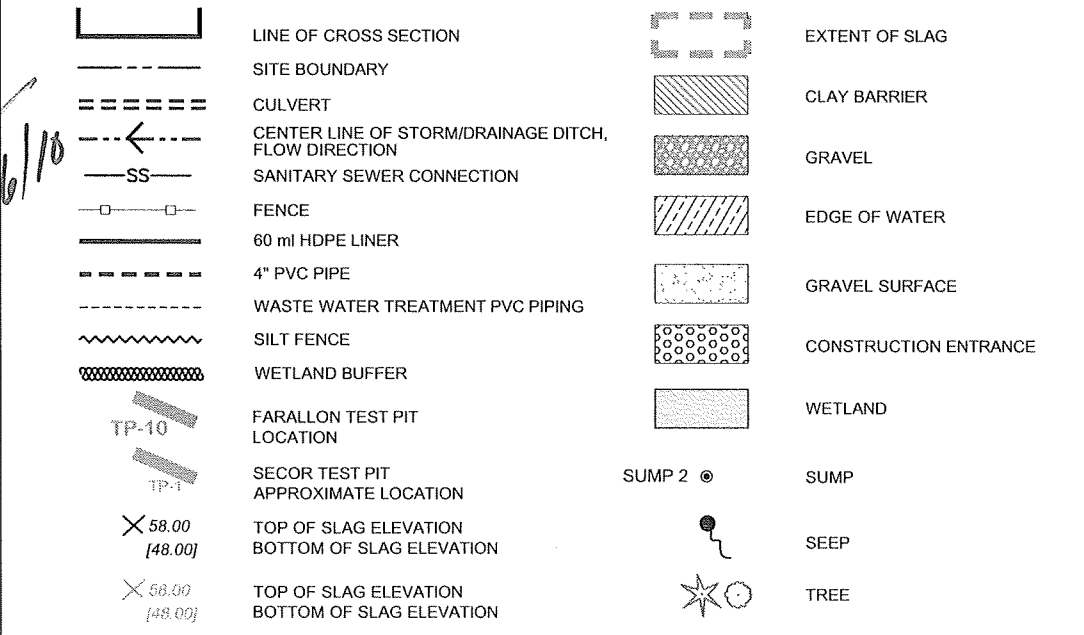
STANDARD ABBREVIATIONS

AF	AIR FILTER	HDPE	HIGH DENSITY POLYETHYLENE	PRV	PRESSURE RELEASE VALVE
AB	AGGREGATE BASE	HORIZ	HORIZONTAL	PSI	POUNDS PER SQUARE INCH
AC	ASPHALTIC CONCRETE	HP	HORSEPOWER/HIGH PRESSURE	PSIA	POUNDS PER SQUARE INCH, ABSOLUTE
APPROX	APPROXIMATELY	HR	HOURLY	PSIG	POUNDS PER SQUARE INCH, GAUGE
AF	AIR FILTER	HS	HOSE	PTW	PRESSURE TREATMENT
AS	AIR SPARGE	HYD	HYDRANT	PVC	POLYVINYL CHLORIDE
BF	BLIND FLANGE	HOA	HAND OFF AUTOMATIC	PV	PROCESS VARIABLE
B.G.S.	BELOW GROUND SURFACE			PR	PAIR
BLDG	BUILDING	ID	INSIDE DIAMETER	PUE	PUBLIC UTILITY EASEMENT
BOP	BOTTOM OF PIPE	IN	INCHES		
BV	BALL VALVE	INV	INVERT	R	RADIUS/RISER
CONC	CONCRETE	IPS	IRON PIPE SIZE	RC	REINFORCED CONCRETE
CPLG	COUPLING	JT	JOINT	REQ	REQUIRED
C	CENTERLINE	JB	JUNCTION BOX	REF	REFERENCE
CV	CONTROL VALVE/CHECK VALVE	KO	KNOCK OUT		
DC	DOUBLE CONTAINED	LSHH	LEVEL SWITCH	SCH	SCHEDULE
Ø/DIA	DIAMETER	M	MOTOR	SDR	STANDARD DIMENSION RATIO
DWG	DRAWING	MAX	MAXIMUM	SECT	SECTION
DP	DUAL PHASE	MH	MANHOLE	SHT	SHEET
DPI	DIFFERENTIAL PRESSURE INDICATOR	MJ	MECHANICAL JOINT	SPEC	SPECIFICATION
EF	EACH FACE	MIN	MINUTE/MINIMUM	SQ	SQUARE
EL/ELEV	ELEVATION	MISC	MISCELLANEOUS	STA	STATION
ELEC	ELECTRICAL	MNPT	MALE NATIONAL PIPE THREAD	STD	STANDARD
ELB	ELBOW	MP	METER PUMP	STL	STEEL
EPDM	ETHYLENE PROPYLENE RUBBER	MON.PORT	MONITORING PORT	SBO	SUPPLIED BY OWNER
EXIST(E)	EXISTING	MW	MONITORING WELL	ST	SAMPLE TAP
EXP	EXPANSION	NC	NORMALLY CLOSED	STR	STRAINER
EW	EACH WAY	NIC	NOT IN CONTRACT	SS	STAINLESS STEEL
EA	EACH	NO	NORMALLY OPEN	STL	STEEL
FC	FAIL CLOSE	NO.	NUMBER	SVE	SOIL VAPOR EXTRACTION
FO	FAIL OPEN	N	NEW	SW	SWITCH
FLXC	FLEXIBLE CONNECTION	NTS	NOT TO SCALE		
FM	FLOW METER	NPDES	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM	TYP	TYPICAL
FL	FLOW LINE			TOC	TOP OF CASING/CURB
FT	FOOT			TOS	TOP OF STEEL
FUT	FUTURE			TOW	TOP OF WALL
FIN GR	FINISHED GRADE	OC	ON CENTER		
FE	FLANGED END	OD	OUTSIDE DIAMETER	UBC	UNIFORM BUILDING CODE
FNPT	FEMALE NATIONAL PIPE THREAD	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	UGPS	UNDERGROUND PULL SECTION
		OVHD	OVERHEAD	UTIL	UTILITY
GA	GAUGE			V	VALVE/VENT/VOLTS
GAC	GRANULAR ACTIVATED CARBON	#/LB	POUND	VAC	VACUUM
GALV	GALVANIZED	PB	PULL BOX	VAR	VARIABLES/VARIABLE
GI	GALVANIZED IRON	PBF	PROVIDED BY FARALLON	VERT	VERTICAL
GPM	GALLONS PER MINUTE	PC	PORTLAND CEMENT	VP	VAPOR
GR	GRADE	PCC	PORTLAND CEMENT CONCRETE	VRV	VACUUM RELIEF VALVE
GND	GROUND	PG	PRESSURE GAS	W	WITH
GSKT	GASKET	PL	PROPERTY LINE/PIPE LINE	W/O	WITHOUT
GW	GROUNDWATER	PO	PUMP OUT	WS	WATER SURFACE/WATER STOP
GV	GATE VALVE	P	PRESSURE		

PIPING, ELECTRICAL AND EQUIPMENT SYMBOLS




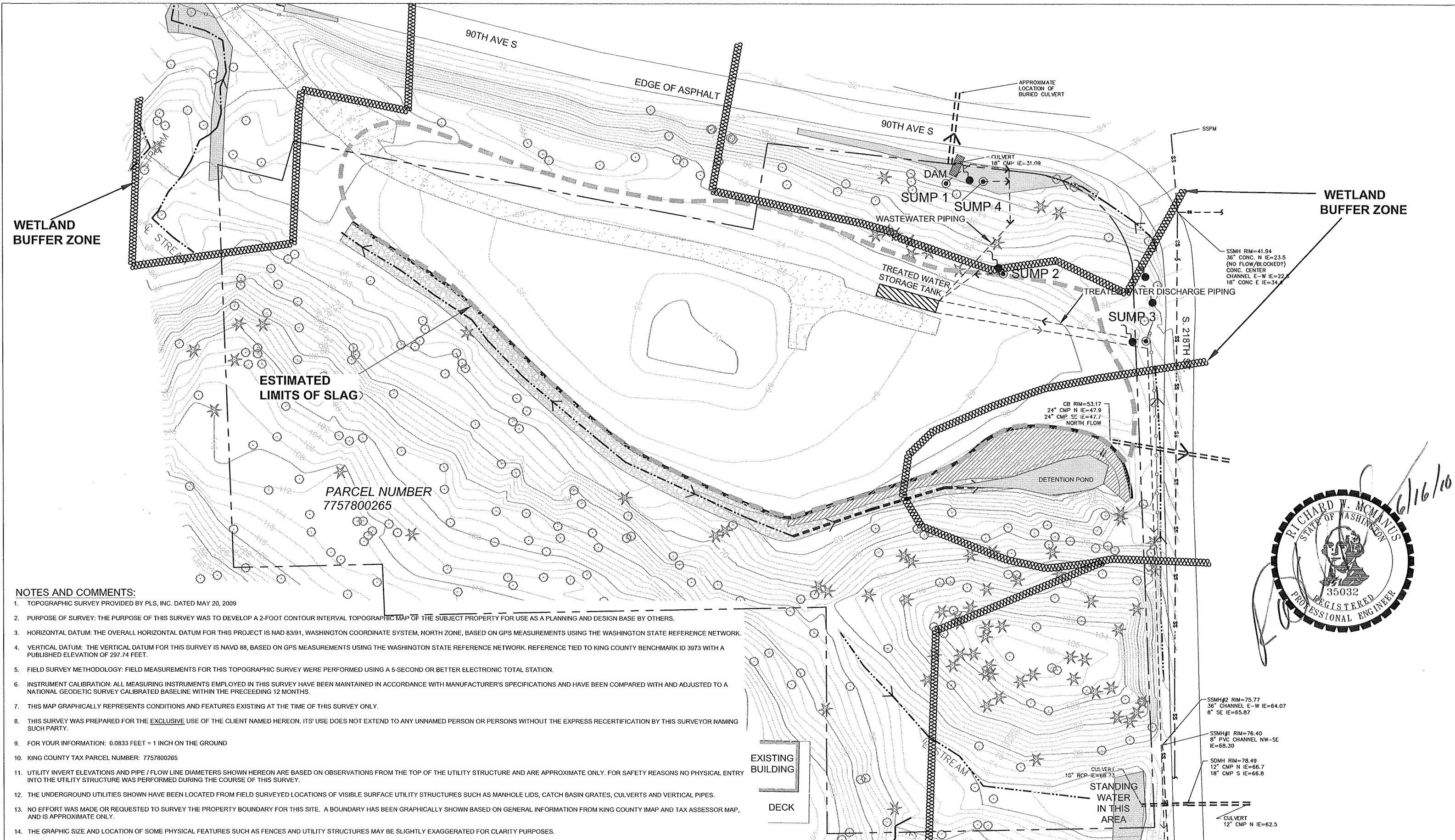
LEGEND



GENERAL NOTES	
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1. A COPY OF THE PROJECT DESIGN DRAWINGS AND SPECIFICATIONS SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES.
2. COPIES OF ALL PERMITS SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.
4. BURIED UTILITIES SHOWN ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE INCLUSIVE OF ALL UTILITIES THAT EXIST ON THE PROPERTY.
5. THE CONTRACTOR SHALL HAVE A PRIVATE UTILITY LOCATE SERVICE VERIFY ALL UTILITIES AND MARK THEIR LOCATIONS ON THE GROUND PRIOR TO STARTING CONSTRUCTION. FARALLON SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT IS FOUND BETWEEN EXISTING UTILITIES AND THE PROJECT DESIGN.
6. FARALLON SHALL BE NOTIFIED OF DISCREPANCIES BETWEEN CONTRACT DRAWINGS AND ACTUAL SITE CONDITIONS.
7. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE JOB SITE CONDITIONS AND ENSURE THE SAFETY OF ALL PERSONS AND PROPERTY FOR THE DURATION OF ON SITE PROJECT WORK. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, AND PAVING FROM DAMAGE, DIRECT OR INDIRECT, RESULTING FROM THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY OVER THE DURATION OF ON SITE ACTIVITIES AND NOT BE LIMITED TO NORMAL WORKING HOURS.
8. ALL EXCAVATIONS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH APPLICABLE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA) REGULATIONS. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR THE SAFETY OF ALL CONSTRUCTION OPERATIONS.
9. NO TRENCHES SHALL BE LEFT OPEN WHEN WORK IS NOT IN PROGRESS. ALL OPEN EXCAVATIONS SHALL BE FENCED.

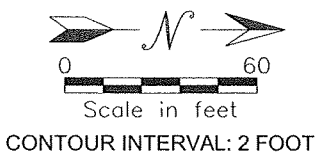
						<div>PREPARED BY</div> <div></div> <div>FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027</div>	<div>PREPARED FOR</div> <div>EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262</div>	<div>SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT</div> <div>KENT, WASHINGTON</div> <div>GENERAL NOTES, LEGEND,SYMBOLS, AND ABBREVIATIONS</div>	SCALE AS SHOWN
					PROJECT NO. 831-022				
					FILE NAME: SHEET SET5.dwg				
					SHEET NO. OF				
	6/16/10	ISSUED FOR CONSTRUCTION	DEW	HF	RM				
	DATE	DESCRIPTION	BY	CKD.	APP.				2 12



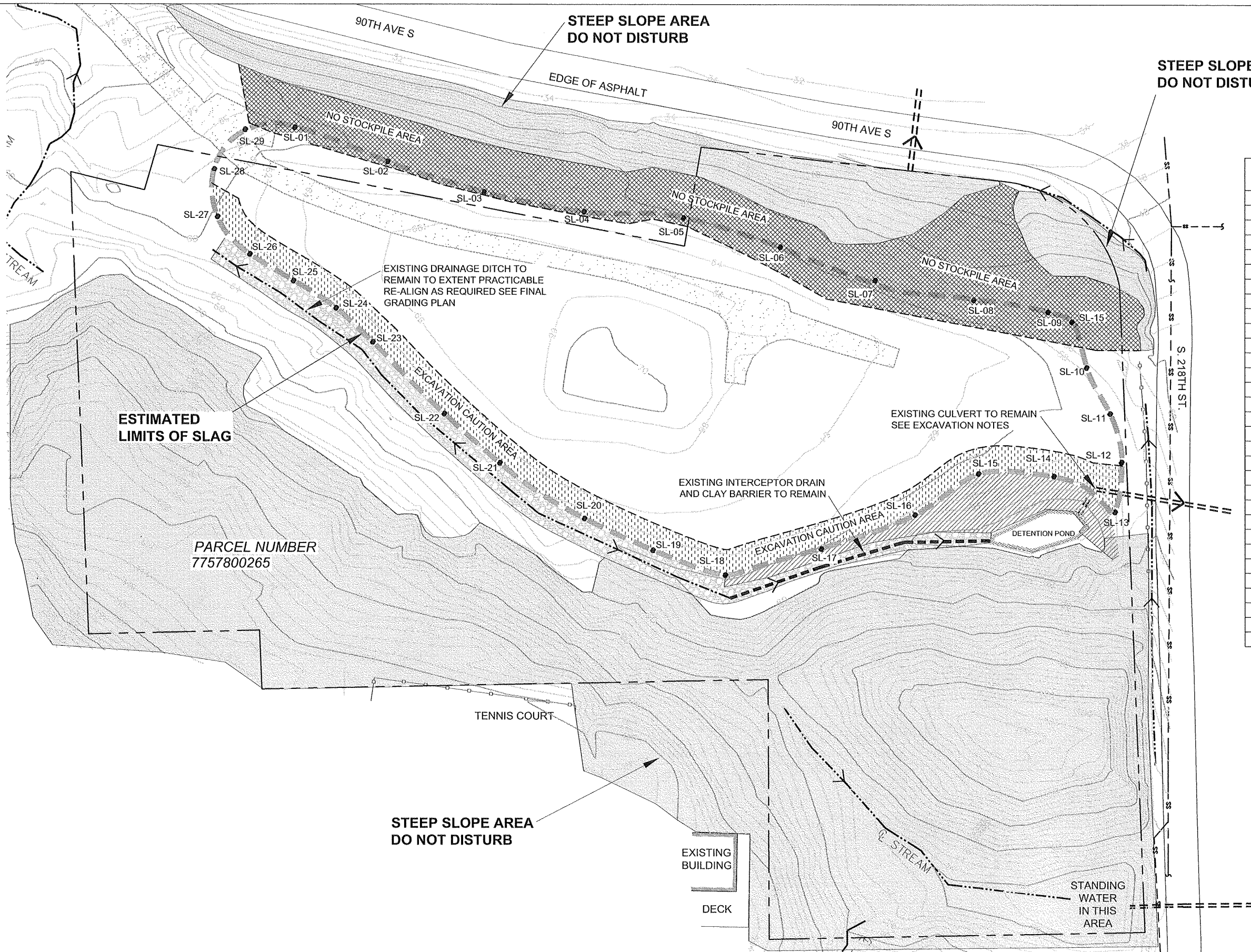
- NOTES AND COMMENTS:**
- TOPOGRAPHIC SURVEY PROVIDED BY PLS, INC. DATED MAY 20, 2009
 - PURPOSE OF SURVEY: THE PURPOSE OF THIS SURVEY WAS TO DEVELOP A 2-FOOT CONTOUR INTERVAL TOPOGRAPHIC MAP OF THE SUBJECT PROPERTY FOR USE AS A PLANNING AND DESIGN BASE BY OTHERS.
 - HORIZONTAL DATUM: THE OVERALL HORIZONTAL DATUM FOR THIS PROJECT IS NAD 83/91, WASHINGTON COORDINATE SYSTEM, NORTH ZONE, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK.
 - VERTICAL DATUM: THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK. REFERENCE TIED TO KING COUNTY BENCHMARK ID 3973 WITH A PUBLISHED ELEVATION OF 297.74 FEET.
 - FIELD SURVEY METHODOLOGY: FIELD MEASUREMENTS FOR THIS TOPOGRAPHIC SURVEY WERE PERFORMED USING A 5-SECOND OR BETTER ELECTRONIC TOTAL STATION.
 - INSTRUMENT CALIBRATION: ALL MEASURING INSTRUMENTS EMPLOYED IN THIS SURVEY HAVE BEEN MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND HAVE BEEN COMPARED WITH AND ADJUSTED TO A NATIONAL GEODETIC SURVEY CALIBRATED BASELINE WITHIN THE PRECEEDING 12 MONTHS.
 - THIS MAP GRAPHICALLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY ONLY.
 - THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE CLIENT NAMED HEREON. ITS' USE DOES NOT EXTEND TO ANY UNNAMED PERSON OR PERSONS WITHOUT THE EXPRESS RECERTIFICATION BY THIS SURVEYOR NAMING SUCH PARTY.
 - FOR YOUR INFORMATION: 0.0833 FEET = 1 INCH ON THE GROUND
 - KING COUNTY TAX PARCEL NUMBER: 7757800265
 - UTILITY INVERT ELEVATIONS AND PIPE / FLOW LINE DIAMETERS SHOWN HEREON ARE BASED ON OBSERVATIONS FROM THE TOP OF THE UTILITY STRUCTURE AND ARE APPROXIMATE ONLY. FOR SAFETY REASONS NO PHYSICAL ENTRY INTO THE UTILITY STRUCTURE WAS PERFORMED DURING THE COURSE OF THIS SURVEY.
 - THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEYED LOCATIONS OF VISIBLE SURFACE UTILITY STRUCTURES SUCH AS MANHOLE LIDS, CATCH BASIN GRATES, CULVERTS AND VERTICAL PIPES.
 - NO EFFORT WAS MADE OR REQUESTED TO SURVEY THE PROPERTY BOUNDARY FOR THIS SITE. A BOUNDARY HAS BEEN GRAPHICALLY SHOWN BASED ON GENERAL INFORMATION FROM KING COUNTY IMAP AND TAX ASSESSOR MAP, AND IS APPROXIMATE ONLY.
 - THE GRAPHIC SIZE AND LOCATION OF SOME PHYSICAL FEATURES SUCH AS FENCES AND UTILITY STRUCTURES MAY BE SLIGHTLY EXAGGERATED FOR CLARITY PURPOSES.



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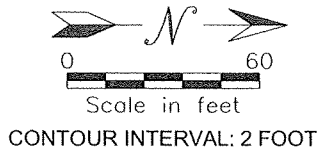
PREPARED BY FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON SITE PLAN	SCALE AS SHOWN PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. OF 3 12
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ESTIMATED LIMITS OF SLAG CONTROL POINTS		
POINT #	X (EASTING)	Y (NORTHING)
SL-01	150912.57	1297048.81
SL-02	150967.54	1297069.00
SL-03	151024.52	1297086.95
SL-04	151083.96	1297098.49
SL-05	151142.89	1297102.26
SL-06	151200.16	1297119.28
SL-07	151256.45	1297138.88
SL-08	151314.76	1297150.40
SL-09	151358.75	1297157.56
SL-10	151381.69	1297190.45
SL-11	151395.63	1297217.81
SL-12	151402.32	1297246.57
SL-13	151398.46	1297276.15
SL-14	151362.24	1297254.95
SL-15	151317.45	1297253.51
SL-15	151373.00	1297163.40
SL-16	151279.94	1297277.99
SL-17	151224.40	1297298.28
SL-18	151167.51	1297313.92
SL-19	151124.54	1297299.19
SL-20	151083.97	1297280.39
SL-21	151033.89	1297247.44
SL-22	151000.90	1297218.26
SL-23	150958.63	1297175.69
SL-24	150936.92	1297155.60
SL-25	150911.68	1297139.54
SL-26	150885.88	1297123.78
SL-27	150866.90	1297101.62
SL-28	150864.91	1297073.61
SL-29	150883.11	1297050.07

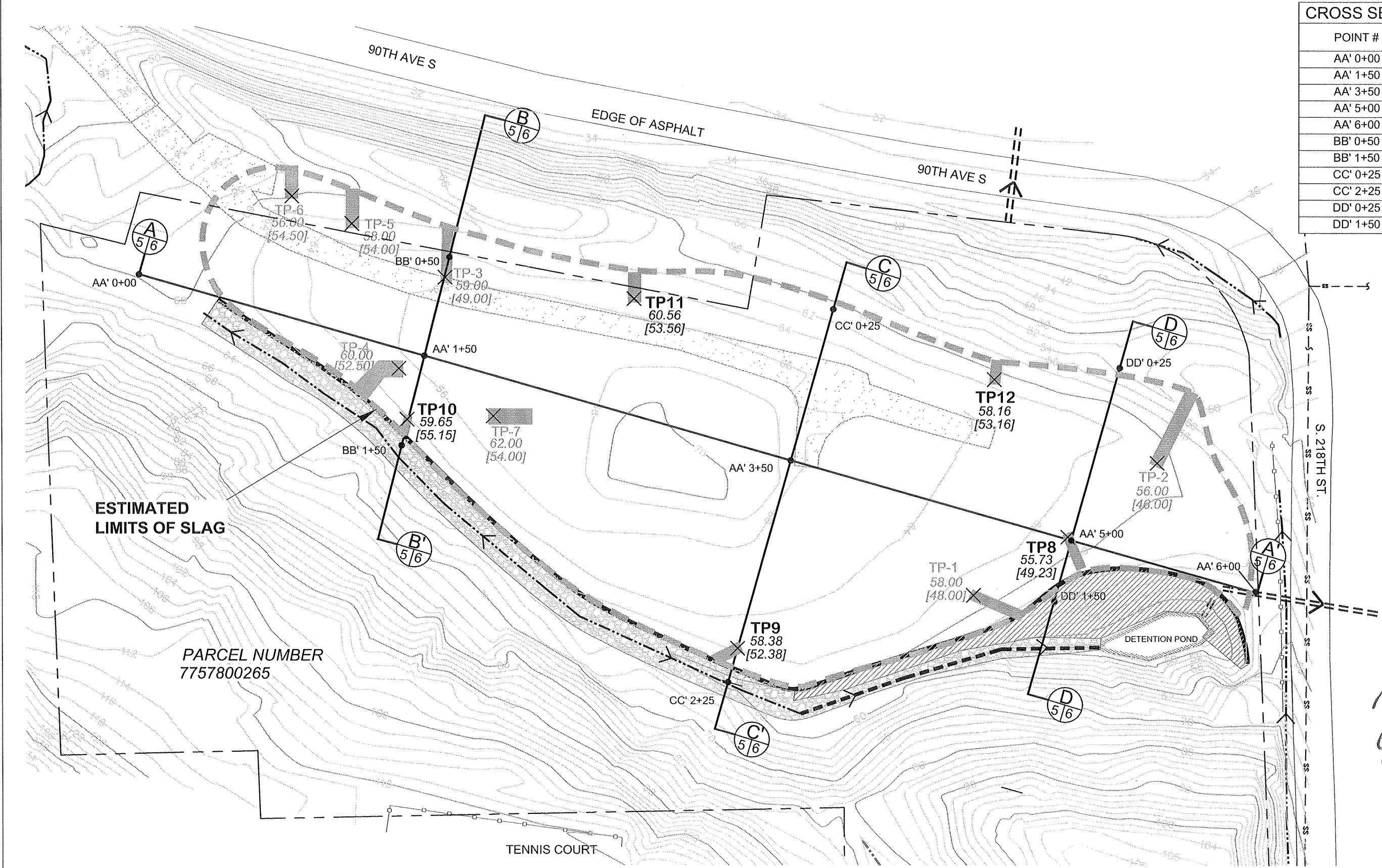


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	DATE	DESCRIPTION	BY	CKD.	APP.



<div>PREPARED BY</div> <div></div> <div>FARALLON CONSULTING</div> <div>975 5th Avenue Northwest</div> <div>Issaquah, WA 98027</div>	<div>PREPARED FOR</div> <div>EARLE M. JORGENSEN COMPANY</div> <div>10650 ALAMEDA STREET</div> <div>LYNWOOD, CALIFORNIA 90262</div>	<div>SLAG DISPOSAL BECKWITH PROPERTY</div> <div>EXCAVATION PROJECT</div> <div>KENT, WASHINGTON</div> <div>EXCAVATION PLAN</div>	<div>SCALE</div> <div>AS SHOWN</div> <div>PROJECT NO.</div> <div>831-022</div> <div>FILE NAME:</div> <div>SHEET SET5.dwg</div> <div>SHEET NO. OF</div> <div>412</div>
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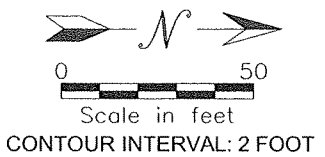
CROSS SECTION CONTROL POINTS		
POINT #	X (EASTING)	Y (NORTHING)
AA' 0+00	150830.69	1297101.32
AA' 1+50	150977.07	1297143.04
AA' 3+50	151165.44	1297196.72
AA' 5+00	151309.61	1297237.80
AA' 6+00	151404.61	1297264.27
BB' 0+50	150989.89	1297092.27
BB' 1+50	150965.42	1297189.23
CC' 0+25	151187.44	1297118.85
CC' 2+25	151133.07	1297311.34
DD' 0+25	151334.64	1297148.98
DD' 1+50	151300.85	1297269.35



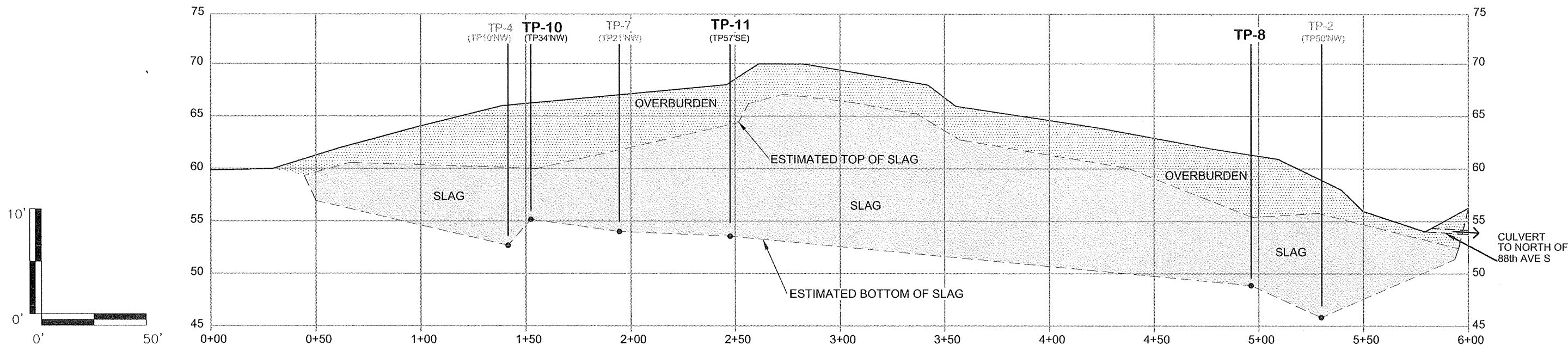
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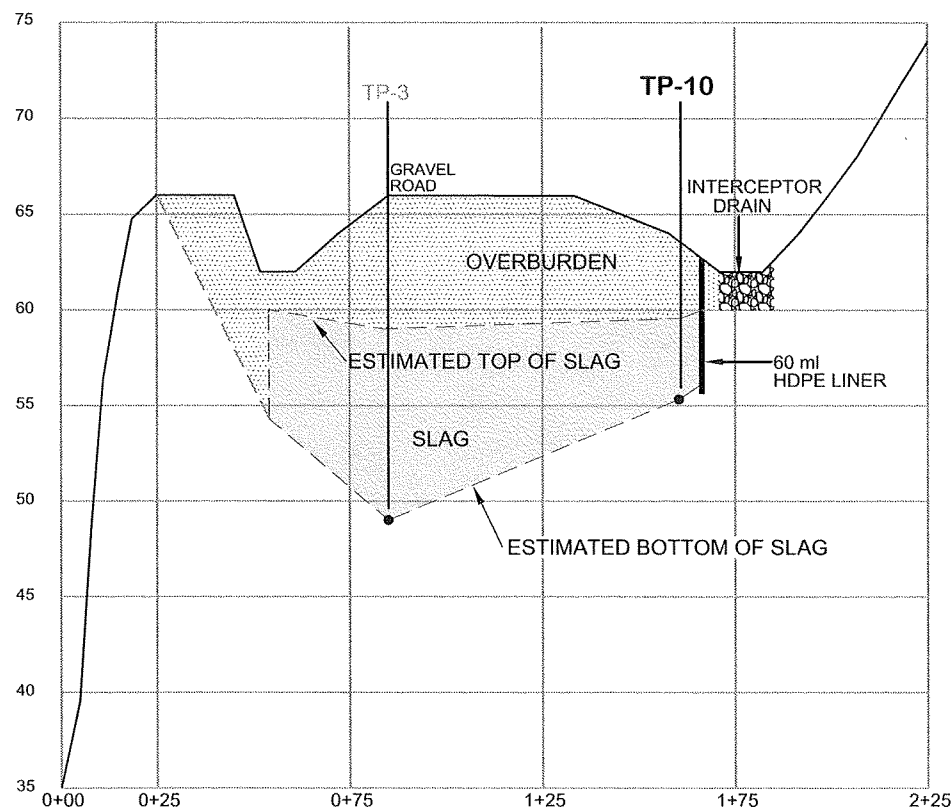
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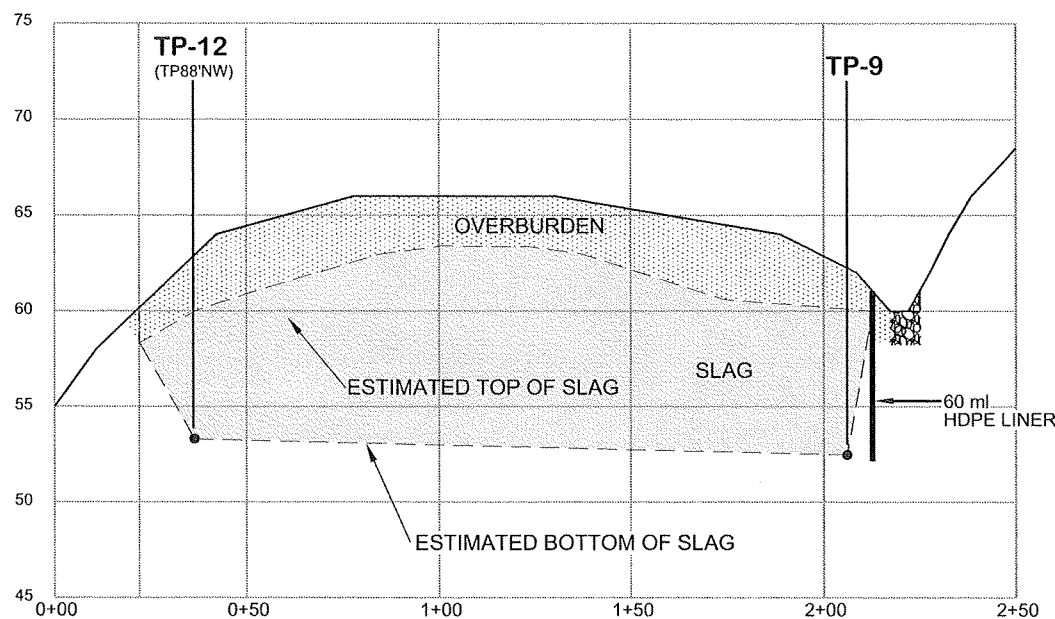
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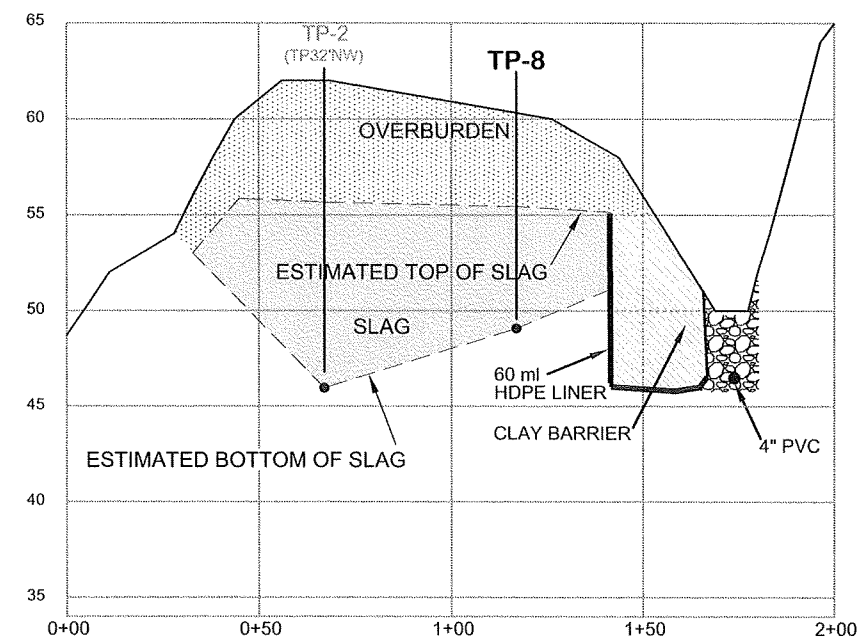
A-A' CROSS SECTION A-A'
6 5



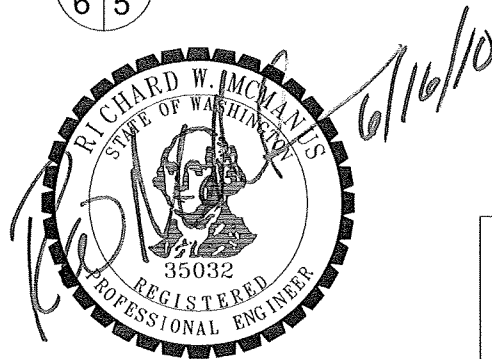
B-B' CROSS SECTION B-B'
6 5



C-C' CROSS SECTION C-C'
6 5

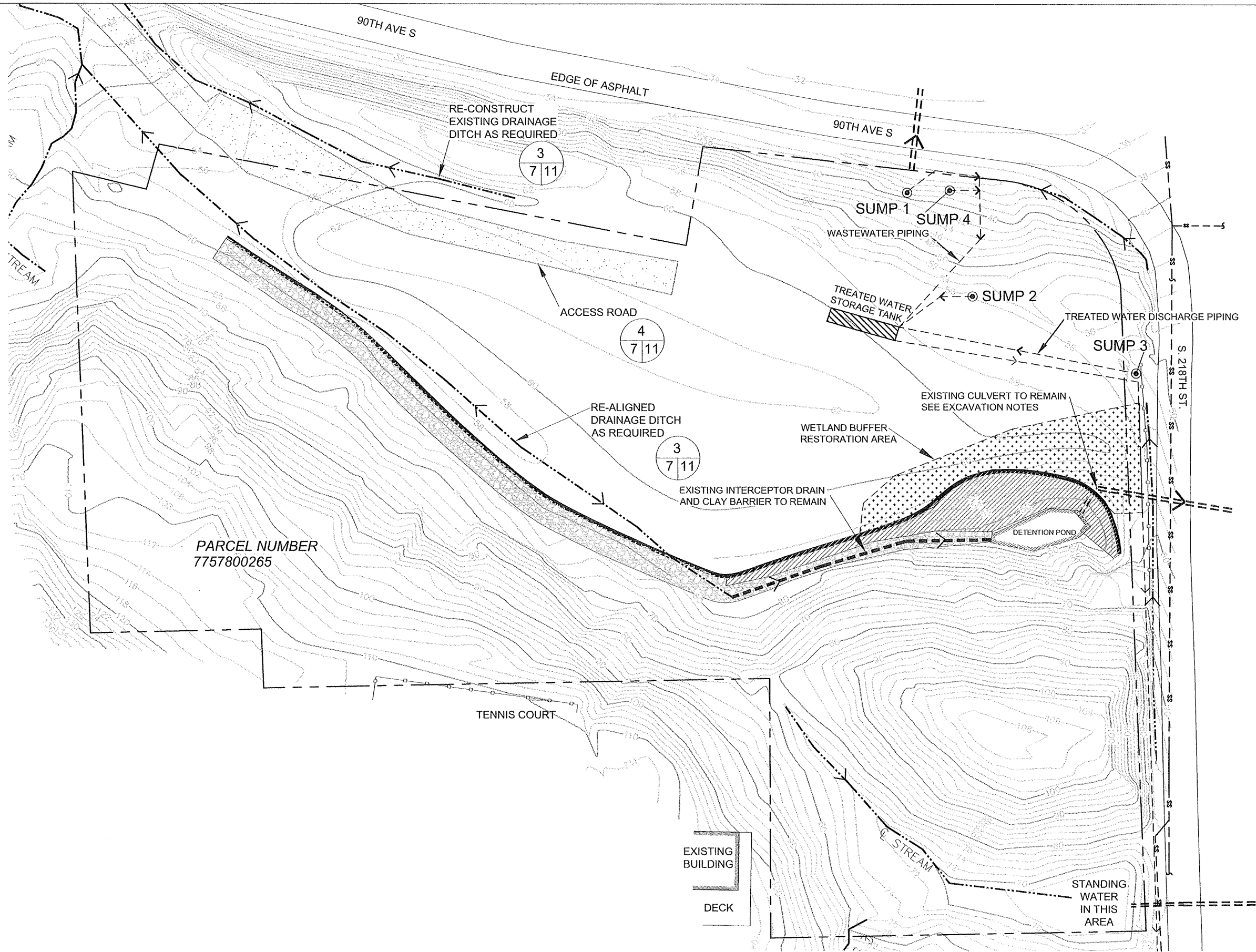


D-D' CROSS SECTION D-D'
6 5



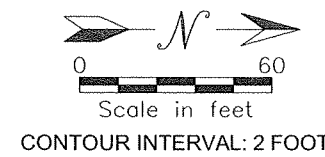
PREPARED BY FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON SLAG FILL CROSS SECTIONS	SCALE AS SHOWN
			PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. 6 OF 12

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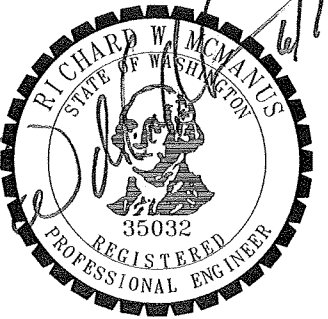
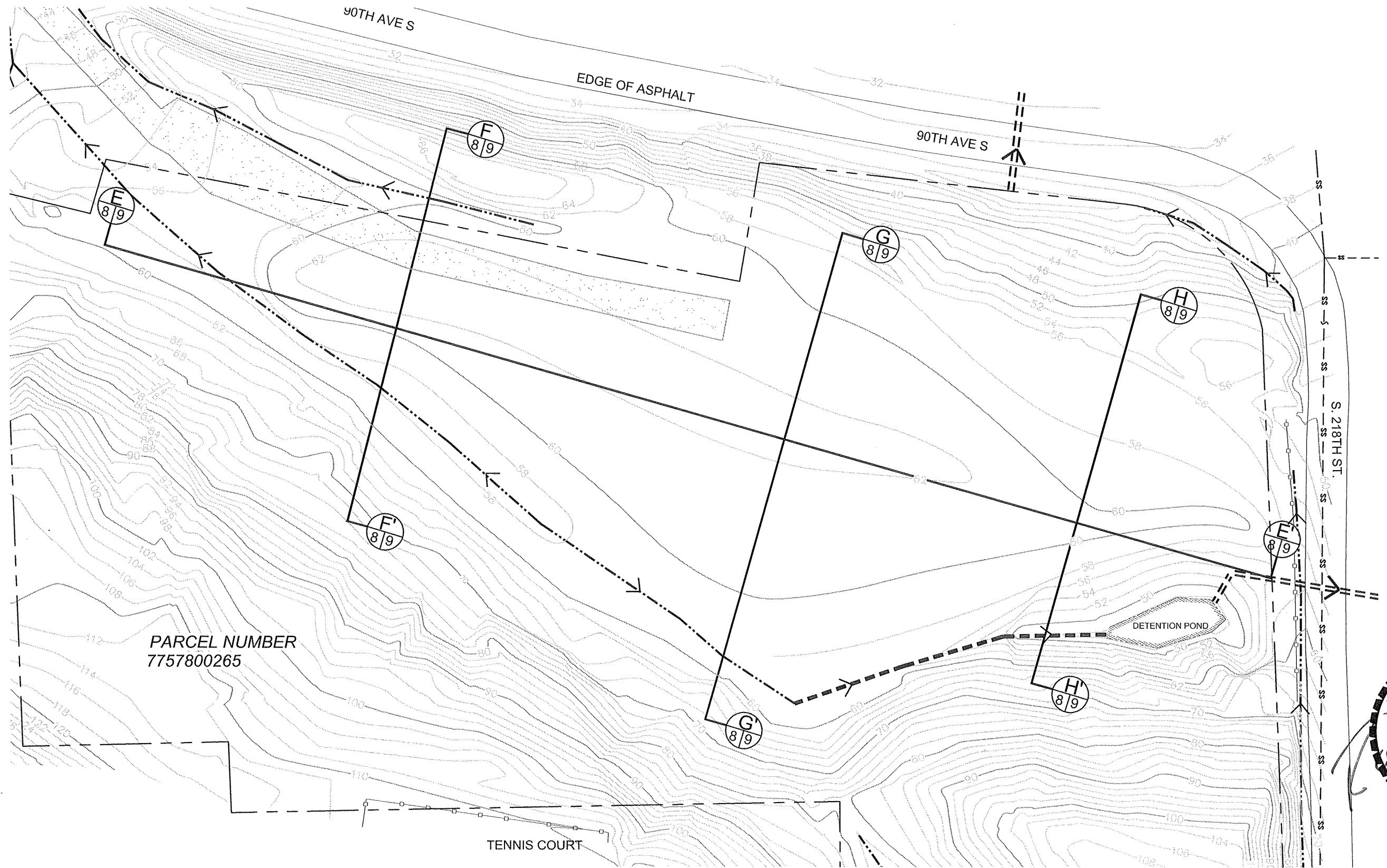


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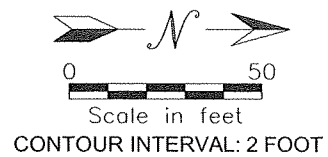
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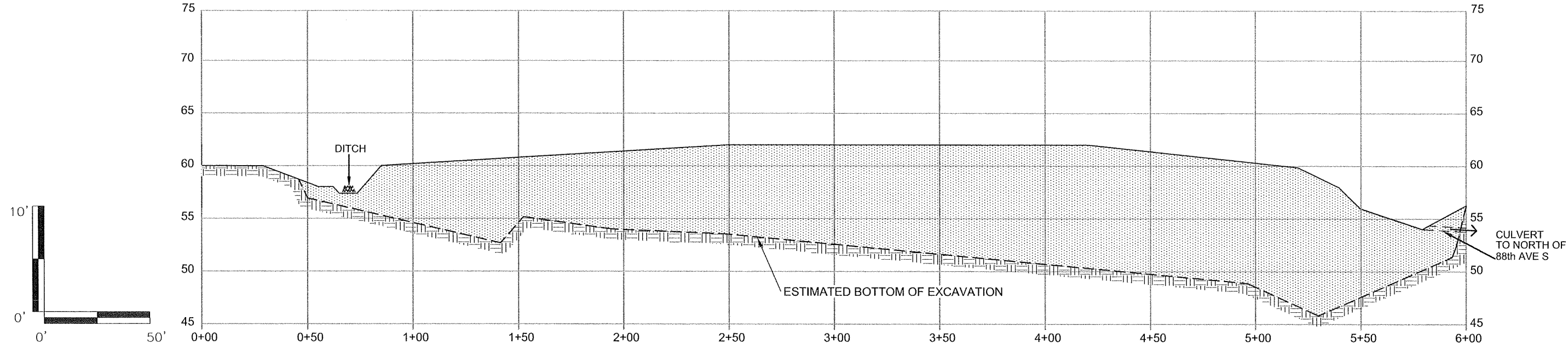
<p>PREPARED BY</p> <p> FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027</p>	<p>PREPARED FOR</p> <p>EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262</p>	<p>SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON</p> <p>FINAL GRADING PLAN</p>	<p>SCALE AS SHOWN</p> <p>PROJECT NO. 831-022</p> <p>FILE NAME: SHEET SET5.dwg</p> <p>SHEET NO. 7 OF 12</p>
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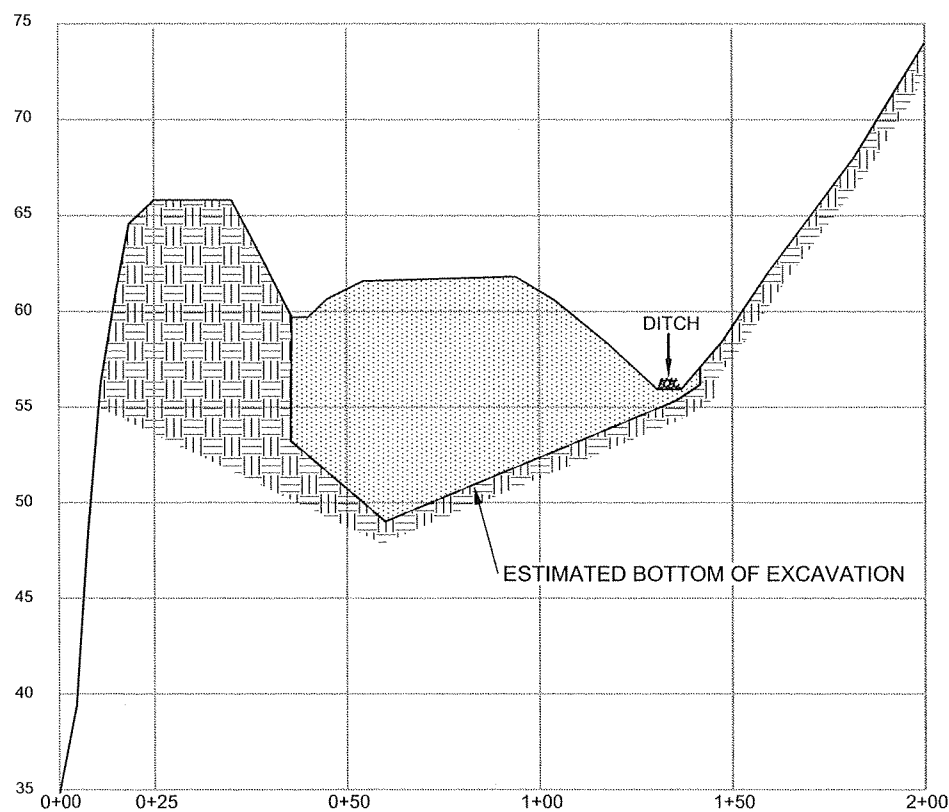
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DATE	DESCRIPTION		BY	CKD.	APP.



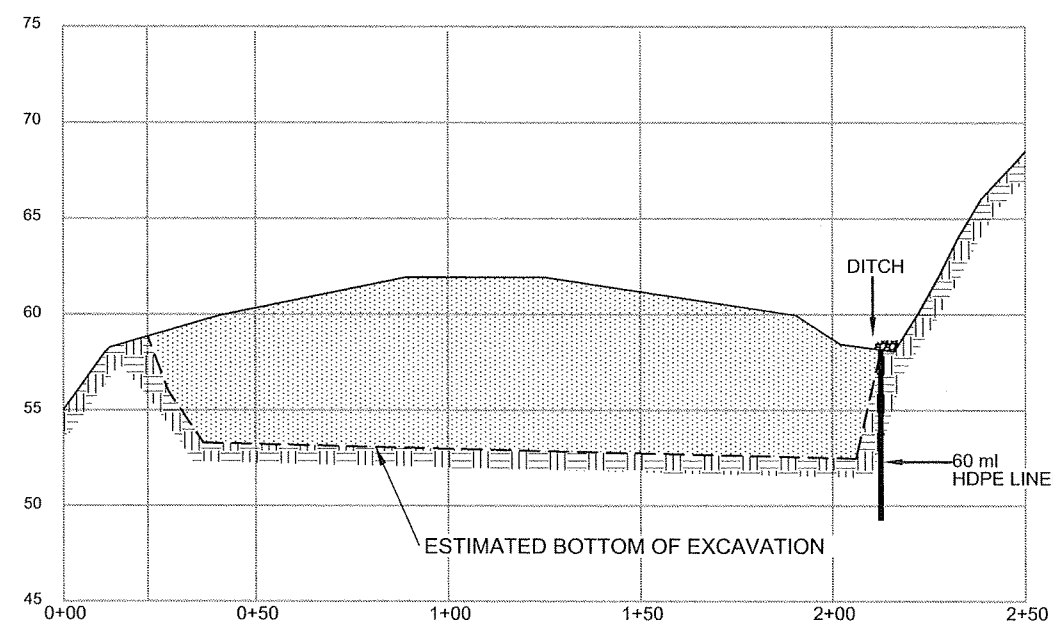
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			PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. 8 OF 12



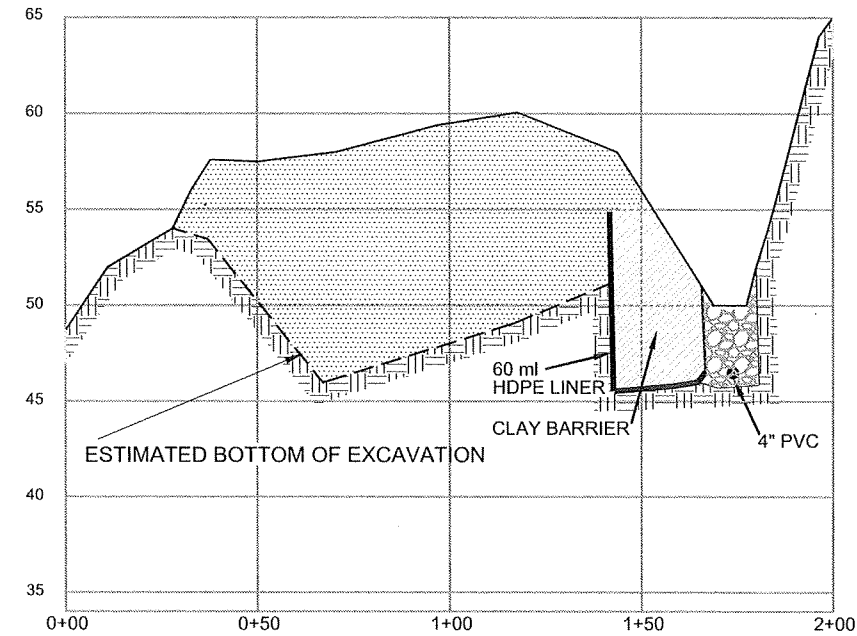
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9 8 CROSS SECTION E-E'



F-F'
9 8 CROSS SECTION F-F'



G-G'
9 8 CROSS SECTION G-G'

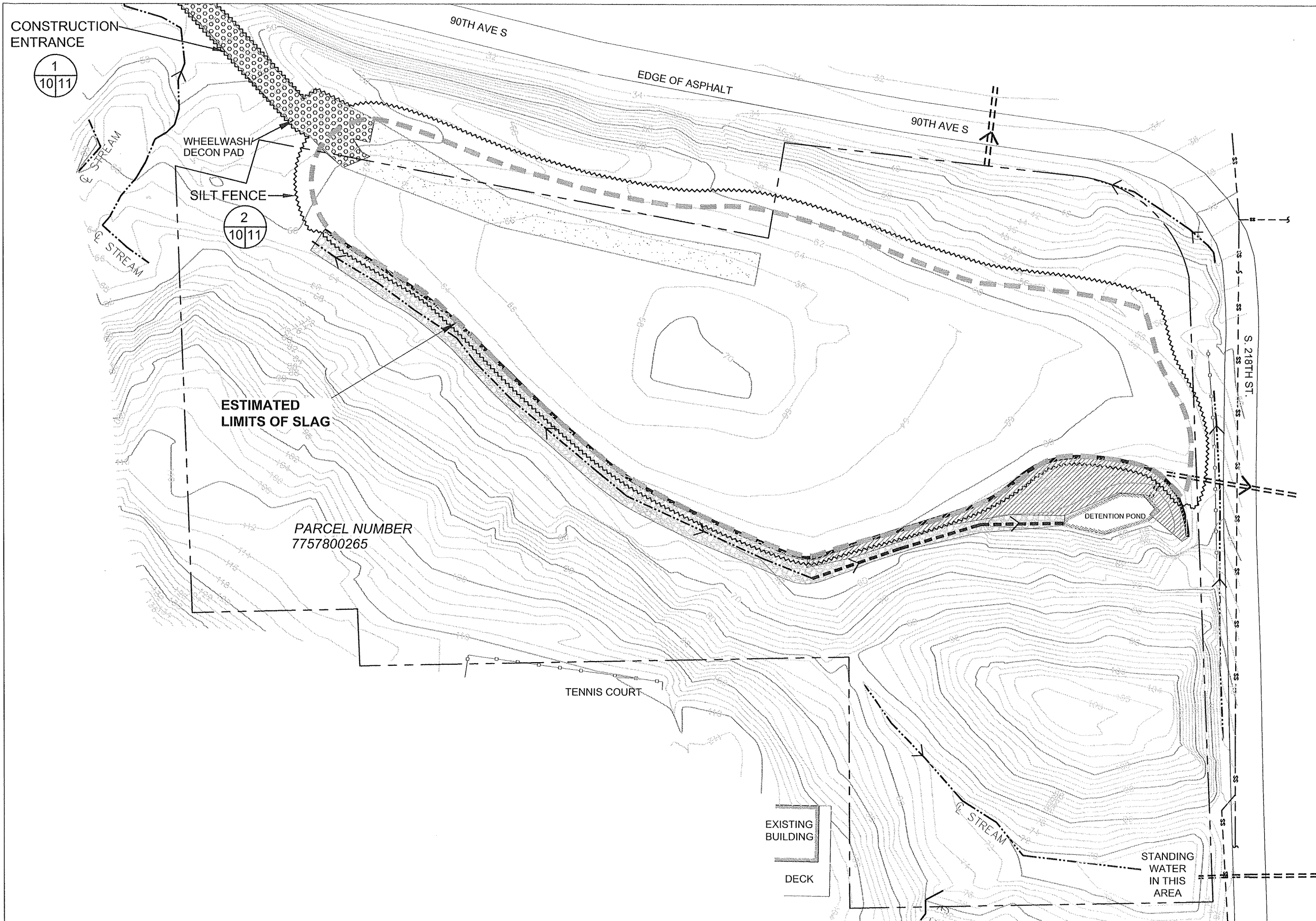


H-H'
9 8 CROSS SECTION H-H'

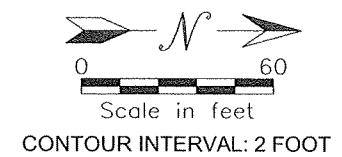


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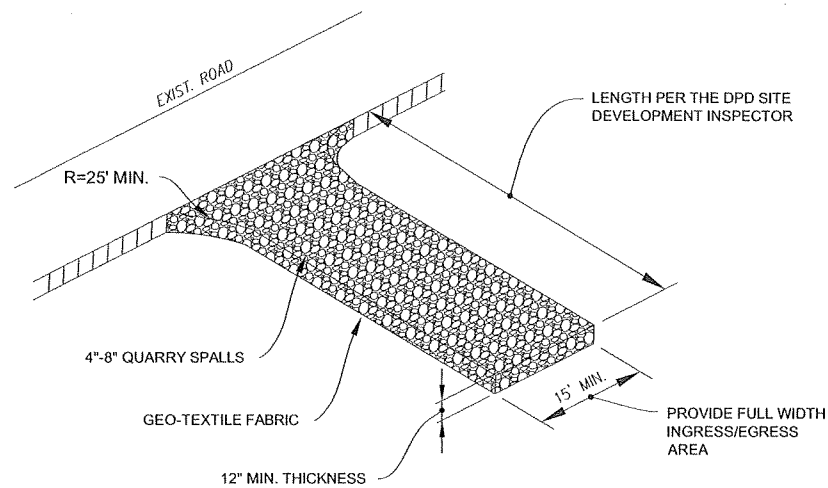
PREPARED BY FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON FINAL GRADE CROSS SECTIONS	SCALE AS SHOWN PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. 9 OF 12
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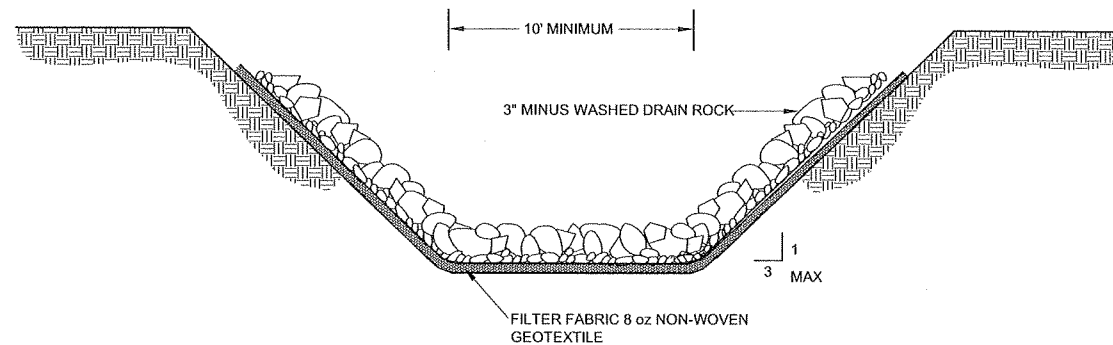
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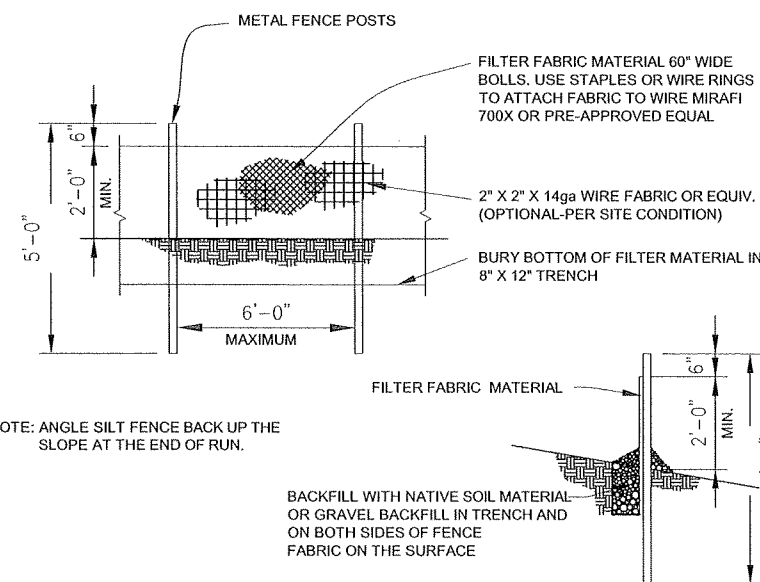
<div>PREPARED BY</div> <div></div> <div>FARALLON CONSULTING</div> <div>975 5th Avenue Northwest</div> <div>Issaquah, WA 98027</div>	<div>PREPARED FOR</div> <div>EARLE M. JORGENSEN COMPANY</div> <div>10650 ALAMEDA STREET</div> <div>LYNWOOD, CALIFORNIA 90262</div>	<div>SLAG DISPOSAL BECKWITH PROPERTY</div> <div>EXCAVATION PROJECT</div> <div>KENT, WASHINGTON</div> <div>EROSION CONTROL PLAN</div>	<div>SCALE</div> <div>AS SHOWN</div> <div>PROJECT NO.</div> <div>831-022</div> <div>FILE NAME:</div> <div>SHEET SET5.dwg</div> <div>SHEET NO. OF</div> <div>10 12</div>
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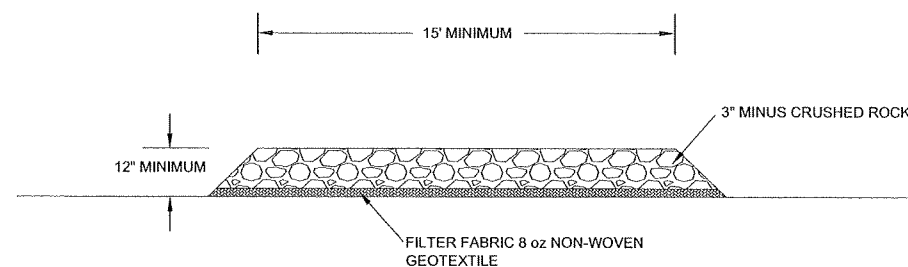
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NOT TO SCALE



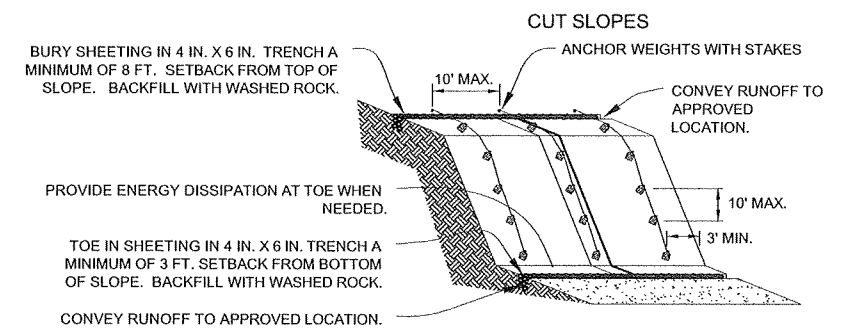
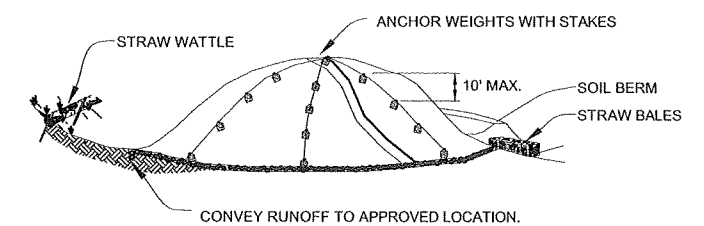
3
11/7 **DITCH DETAIL**
NOT TO SCALE



2
11/10 **TYPICAL SILT FENCE**
NOT TO SCALE



4
11/7 **ACCESS ROAD**
NOT TO SCALE



TYPICAL STOCKPILE
NOT TO SCALE



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DATE	DESCRIPTION	BY	CKD.	APP.	

PREPARED BY  FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT KENT, WASHINGTON DETAILS	SCALE AS SHOWN PROJECT NO. 831-022 FILE NAME: SHEET SET5.dwg SHEET NO. 11 OF 12
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EXCAVATION NOTES

1. CALL THE UNDERGROUND LOCATE LINE 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
2. ALL UTILITIES SHOWN ON THE DRAWINGS ARE PRESENTED FOR GENERAL INFORMATION ONLY. THE UTILITIES SHOWN MAY NOT BE INCLUSIVE OF ALL UTILITIES THAT EXIST ON THE PROPERTY. UTILITY LOCATIONS ARE APPROXIMATE AND ARE NOT TO BE RELIED UPON DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATIONS OF ALL UTILITIES.
3. PERFORM SITE SURVEY TO ESTABLISH HORIZONTAL AND VERTICAL CONTROL AND MARK ESTIMATED EXCAVATION LIMITS BASED ON "ESTIMATED LIMITS OF SLAG CONTROL POINTS" TABLE, SHEET 4 OF 12. SURVEY SHALL BE PERFORMED BY A LICENSED SURVEYOR.
4. THE ESTIMATED LIMITS OF SLAG INDICATED ON THE DRAWINGS WAS DETERMINED BY EXCAVATION OF TEST PITS AND IS APPROXIMATE. THE ACTUAL EXTENT OF EXCAVATION REQUIRED TO REMOVE THE SLAG WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. DO NOT DISTURB AREAS WITHIN 10 FEET OF STEEP SLOPES AS INDICATED ON THE DRAWINGS.
6. INSTALL CONSTRUCTION STAKING AND FLAGGING TO DENOTE 10-FOOT BUFFER ZONE AROUND STEEP SLOPE AREAS. DO NOT IMPACT EXISTING VEGETATION WITHIN THE BUFFER ZONE OR STEEP SLOPE AREAS. IF SLAG IS DETERMINED TO EXTEND INTO BUFFER ZONE AT ANY LOCATION NOTIFY THE ENGINEER.
7. OVERBURDEN DETERMINED NOT TO HAVE BEEN IMPACTED BY THE SLAG, AS DESIGNATED BY THE ENGINEER, SHALL BE USED AS BACKFILL.
8. TURF AND WOOD DEBRIS OVERBURDEN SHALL BE SHREDDED AND CHIPPED PRIOR TO BEING USED AS BACKFILL
9. OVERBURDEN STOCKPILES SHALL BE COVERED WITH 8 MIL SHEET PLASTIC, AND WEIGHTED TO PREVENT WIND DISTURBANCE AND SEDIMENTATION.
10. IMPLEMENT DUST CONTROL MEASURES AS REQUIRED TO PREVENT VISIBLE DUST FROM LEAVING THE SITE.
11. SLOPE EXCAVATION SIDEWALLS AS REQUIRED BY WASHINGTON ADMINISTRATIVE CODE 296-155-PART N, SAFETY STANDARDS FOR CONSTRUCTION WORK, EXCAVATION, TRENCHING, AND SHORING.
12. CONTRACTOR SHALL ASSIST THE ENGINEER IN COLLECTING SOIL SAMPLES FOR TESTING AS REQUIRED. SOIL SAMPLING WILL BE PERFORMED ON A 25-FOOT BY 25-FOOT CONTROL GRID. CONTRACTOR SHALL ESTABLISH AND MAINTAIN THE CONTROL GRID AT THE DIRECTION OF THE ENGINEER.
13. MAINTAIN THE EXISTING INTERCEPTOR DRAIN ON THE EAST SIDE OF THE SITE OR MAKE ALTERNATE PROVISIONS TO DIRECT DRAINAGE AROUND THE SLAG.
14. EXISTING SURFACE WATER DRAINAGE SHALL BE MANAGED TO PREVENT CONTACT WITH SLAG TO THE EXTENT PRACTICABLE. SURFACE WATER THAT CONTACTS THE SLAG SHALL BE COLLECTED AND TREATED WITH THE EXISTING WATER TREATMENT SYSTEM.
15. GROUNDWATER ENCOUNTERED DURING SLAG EXCAVATION SHALL BE COLLECTED AND TREATED WITH THE EXISTING WATER TREATMENT SYSTEM.
16. WHERE EXISTING 60-MIL HDPE VERTICAL LINER AT EAST SIDE OF SLAG IS ENCOUNTERED REMOVE DOWN TO 2-FEET BELOW FINAL GRADE.
17. DO NOT DISTURB THE EXISTING DETENTION POND OR CLAY BARRIER.
18. DO NOT DISTURB EXISTING 4-INCH PVC DRAIN PIPE DISCHARGING TO THE DETENTION POND.
19. EXISTING DETENTION POND DISCHARGE CULVERT TO REMAIN. EXTENT OF SLAG IN THIS AREA IS UNKNOWN. IF CULVERT IS DAMAGED OR REMOVED DURING EXCAVATION OPERATIONS, IT IS TO BE REPLACED IN-KIND.
20. SLAG REMOVAL IN THE 'EXCAVATION CAUTION AREA' MAY EXTEND CLOSE TO THE 'STEEP SLOPE AREA'. AN OWNER PROVIDED GEOTECHNICAL ENGINEER OR ENGINEERING GEOLOGIST MUST BE PRESENT TO MONITOR THE WORK WHEN EXCAVATING IN THIS AREA. THE CONTRACTOR MAY BE REQUIRED TO EXCAVATE AND BACKFILL THIS AREA IN SECTIONS TO PREVENT IMPACTS TO STEEP SLOPES
21. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAME OF THE PROPOSED DISPOSAL FACILITY FOR REVIEW PRIOR TO REMOVING ANY SLAG FROM THE SITE. THE CONTRACTOR IS ENCOURAGED TO PURSUE DISPOSAL AND RECYCLING ALTERNATIVES.
22. APPROXIMATELY 6-INCHES OF TOPSOIL COVERS THE EXISTING CAP. THE TOPSOIL SHALL BE STRIPPED AND RETAINED FOR USE IN SITE RESTORATION. THE CONTRACTOR SHALL BLEND TURF AND WOOD DEBRIS INTO THE STRIPPED TOPSOIL (SEE NOTE 8).
23. SECURITY SIREN AND FLASHING STROBE SHALL BE MAINTAINED BY THE CONTRACTOR
24. NIGHT TIME SECURITY PATROLS PROVIDED BY OWNER.

WATER TREATMENT NOTES

1. TWO WEEKS FOLLOWING NOTICE TO PROCEED THE CONTRACTOR SHALL BECOME RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE EXISTING WATER TREATMENT SYSTEM. RESPONSIBILITY FOR RENTAL OF THE 20,000 GALLON WATER STORAGE TANK, 25KVA GENERATOR, TEMPORARY TOILET, AND TEMPORARY COMPOUND FENCING WILL BE TRANSFERRED TO THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE 25 FEET OF JERSEY BARRIERS, FUEL TANK, AND FUEL FOR THE WATER TREATMENT SYSTEM OPERATION. THE WATER TREATMENT SYSTEM GENERATOR USES APPROXIMATELY 400 GALLONS OF FUEL PER MONTH. THE OWNER SHALL REMAIN RESPONSIBLE FOR RENTAL OF WATER TREATMENT SYSTEM INJECTOR EQUIPMENT, CO2 STORAGE EQUIPMENT, ELECTRONIC CONTROLS AND SUPPLY OF THE CO2.
2. CONTRACTOR SHALL COLLECT AND TREAT SURFACE WATER AND GROUNDWATER IMPACTED BY CONTACT WITH THE SLAG UTILIZING THE EXISTING WATER TREATMENT SYSTEM MODIFIED BY THE CONTRACTOR AS REQUIRED.
3. WATER TREATMENT SYSTEM SHALL BE OPERATED IN COMPLIANCE WITH KING COUNTY INDUSTRIAL WASTE PROGRAM MAJOR DISCHARGE AUTHORIZATION NUMBER 4170-03, ISSUED JANUARY 12, 2010.
4. CONSTRUCTION SHALL BE SEQUENCED TO MAINTAIN CONTINUOUS WATER TREATMENT OPERATIONS.
5. WATER TREATMENT SYSTEM, INCLUDING SUMPS, SHALL BE MAINTAINED OPERATIONAL FOR A PERIOD OF 2 MONTHS FOLLOWING REMOVAL OF ALL SLAG MATERIAL.
6. WATER TREATMENT SYSTEM OPERATION AND MAINTENANCE IS PERFORMED WEEKLY. WEEKLY VISITS ARE ESTIMATED TO BE 1-2 HOURS AND REQUIRE ONE LABORER.
7. THE WATER TREATMENT SYSTEM MAY BE RELOCATED TO ANY LOCATION ON THE SITE THAT IS AWAY FROM THE ROAD AND NOT LOCATED WITHIN THE STEEP SLOPE AREAS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RE-WIRING ELECTRICAL COMPONENTS OF THE WATER TREATMENT SYSTEM DURING SYSTEM RELOCATIONS.
9. UPON COMPLETION OF THE EXCAVATION ACTIVITIES, THE WATER TREATMENT SYSTEM PIPING AND ELECTRICAL CONDUIT SHALL BE BURIED.

SITE GRADING AND RESTORATION NOTES

1. FOLLOWING REMOVAL OF THE SLAG, AS CONFIRMED BY SOIL SAMPLING AND ANALYSIS PERFORMED BY THE ENGINEER, THE SITE SHALL BE BACKFILLED AND GRADED USING STOCKPILED NON-SLAG IMPACTED OVERBURDEN MATERIAL.
2. BACKFILL OPERATIONS MAY BE SEQUENCED TO BACKFILL PORTIONS OF THE SITE WHILE EXCAVATING OTHERS.
3. BACKFILL SHALL BE PLACED IN 1-FOOT LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 85% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D698).
4. THE SITE SHALL BE REGRADED TO FOLLOW THE DRAINAGE PATTERN SHOWN ON THE DRAWINGS. IT IS ANTICIPATED THAT FINAL GRADE MAY VARY FROM THE LINES AND GRADES SHOWN ON THE DRAWING DUE TO VARIATIONS IN ACTUAL EXCAVATION QUANTITIES FROM ESTIMATED QUANTITIES.
5. DRAINAGE DITCHES SHALL BE INSTALLED TO DIRECT SURFACE WATER RUNOFF AS SHOWN.
6. HYDROSEED ALL DISTURBED AREAS USING A HYDROSEED/MULCH BLEND DESIGNED FOR USE IN WESTERN WASHINGTON. THE HYDROSEED/MULCH MIX SHALL INCLUDE A BONDED FIBER MATRIX TO PREVENT EROSION. SUBMIT PROPOSED HYDROSEED/MULCH BLEND FOR APPROVAL BY ENGINEER PRIOR TO APPLICATION.
7. FOLLOWING COMPLETION OF WATER TREATMENT OPERATIONS (ESTIMATED TO BE 2 MONTHS AFTER THE COMPLETION OF THE SLAG REMOVAL) DEMOBILIZE TREATMENT EQUIPMENT, REMOVE ALL SUMPS, CONDUIT AND PIPING INCLUDED ALL BURIED PIPING, RESTORE DISTURBED AREAS, AND HYDROSEED.
8. FOLLOWING SITE GRADING AND BACKFILL COMPACTION, THE CONTRACTOR SHALL SPREAD THE RETAINED TOPSOIL IN AN EVEN SIX INCH COVER OVER DISTURBED AREAS. ANY EXCESS TOPSOIL WILL BE PLACED IN WETLAND RESTORATION AREA.
9. THE SOURCE OF ALL IMPORT MATERIAL, INCLUDING DRAIN ROCK, CRUSHED ROCK, AND ANY OTHER FILL MATERIAL MUST BE APPROVED BY THE ENGINEER TWO WEEKS PRIOR TO PLACEMENT. THE ENGINEER MAY REQUIRE TESTING PRIOR TO MATERIAL ACCEPTANCE. THE COST OF ANY TESTING REQUIRED FOR MATERIAL ACCEPTANCE IS NOT INCLUDED IN THE CONTRACT PRICE.
10. THE CONTRACTOR SHALL PREPARE AN AS-BUILT SURVEY AT THE COMPLETION OF THE SITE RESTORATION WORK. THE AS-BUILT SURVEY SHALL BE PREPARED BY A LICENSED SURVEYOR.
11. THE ACCESS ROAD WIDTH SHALL NOT EXTEND BEYOND THE EXISTING FOOTPRINT.

EROSION CONTROL NOTES

1. ON-SITE EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTY, ALL CONSTRUCTION WORK WITHIN THE SITE THAT WILL AGGRAVATE THE SITUATION MUST CEASE AND THE CONTRACTOR SHALL IMMEDIATELY COMMENCE ON-SITE RESTORATION OR MITIGATION MEASURES. RESTORATION ACTIVITY SHALL CONTINUE UNTIL SUCH TIME AS THE PROBLEM IS RECTIFIED.
3. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHOWN ON THE DRAWINGS SHALL BE INSTALLED PRIOR TO OR AS PART OF THE FIRST STAGE OF SITE PREPARATION.
4. SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THIS DRAWING NOT PROVE ADEQUATE TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
5. ALL NECESSARY EROSION CONTROL FACILITIES SHALL BE PROPERLY MAINTAINED TO PREVENT DEBRIS, DUST, AND MUD FROM ACCUMULATING ON THE PUBLIC RIGHT-OF-WAY.
6. SHOULD ANY DEBRIS, DUST, OR MUD ACCUMULATE IN THE PUBLIC RIGHT-OF-WAY THE CONTRACTOR SHALL PROVIDE FOR SWEEPING SERVICES AS REQUIRED TO CLEAN THESE AREAS.
7. ALL LAND DISTURBING ACTIVITY IS SUBJECT TO PROVISIONS OF THE CITY OF KENT STORMWATER MANAGEMENT REGULATIONS. SPECIFIC REQUIREMENTS TO BE FOLLOWED AT THE SITE INCLUDE:

a) PROTECT ADJACENT PROPERTIES FROM ANY INCREASED RUNOFF OR SEDIMENTATION DUE TO THE CONSTRUCTION THROUGH THE USE OF BEST MANAGEMENT PRACTICES (BMPs), INCLUDING BUT NOT LIMITED TO, SEDIMENT TRAPS, SEDIMENT PONDS, FILTER FABRIC FENCES, VEGETATIVE BUFFER STRIPS AND BIO-ENGINEERED SWALES.

b) CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO ONE ENTRANCE CONSTRUCTED AT THE SOUTHWEST CORNER OF THE SITE. STABILIZE THE ENTRANCE WITH QUARRY SPALLS TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING STORM DRAINS.

c) INSTALL AND OPERATE A DECONTAMINATION PAD AS REQUIRED TO CLEAN VEHICLES LEAVING THE SITE AND PREVENT SEDIMENT FROM LEAVING SITE OR ENTERING STORM DRAINS.

d) PREVENT SEDIMENT, CONSTRUCTION DEBRIS, PAINTS, SOLVENTS, ETC. OR OTHER TYPES OF POLLUTION FROM ENTERING STORMWATER DRAINAGE SYSTEMS.

e) ALL EXPOSED SOILS SHALL REMAIN DENUDED FOR NO LONGER THAN SEVEN (7) DAYS AND SHALL BE STABILIZED WITH MULCH, HAY OR THE APPROPRIATE GROUND COVER. ALL EXPOSED SOILS SHALL BE COVERED IMMEDIATELY DURING ANY RAIN EVENT.

f) HYDROSEED AND MULCH ENTIRE SITE UPON COMPLETION OF WORK OR IF WORK CEASES FOR MORE THAN TEN (10) DAYS. OTHER PROTECTION MEASURES MAY BE ACCEPTABLE IF APPROVED BY THE CITY OF KENT.
8. CONTRACTOR SHALL BE AVAILABLE FOR A PRE-CONSTRUCTION CONFERENCE WITH A CITY OF KENT REPRESENTATIVE TO DISCUSS IMPLEMENTATION AND MAINTENANCE OF PROJECT EROSION CONTROL FEATURES.
9. ALL EROSION CONTROL MEASURES AND FACILITIES SHALL BE CLEANED OF ALL CONSTRUCTION DEPOSITS OR DEBRIS PRIOR TO FINAL COMPLETION OF THE CLEANUP ACTION.
10. A CONSTRUCTION STORMWATER GENERAL PERMIT APPLICATION WILL BE SUBMITTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING TO ALL PERMIT REQUIREMENTS WHICH INCLUDE PREPARING THE STORMWATER POLLUTION PREVENTION PLAN AND PROVIDING A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD TO PERFORM SITE INSPECTIONS WEEKLY OR WITHIN 24 HOURS OF ANY DISCHARGE FROM THE SITE

SILT FENCE CONSTRUCTION NOTES

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS.
2. POSTS SHALL BE SPACED A MINIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL, OR COMPACTED NATIVE SOIL.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
5. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE NOTES APPLYING.
7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
8. CLEAN AND PROVIDE REGULAR MAINTENANCE OF THE SILT FENCE. THE SILT FENCE IS TO REMAIN VERTICAL AND IS TO FUNCTION PROPERLY THROUGH THE DURATION OF THE PROJECT.

	6/16/10	ISSUED FOR CONSTRUCTION	DEW	HF	RM
	DATE	DESCRIPTION	BY	CKD.	APP.

PREPARED BY



FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

PREPARED FOR

EARLE M. JORGENSEN COMPANY
10650 ALAMEDA STREET
LYNWOOD, CALIFORNIA 90262

SLAG DISPOSAL BECKWITH PROPERTY
EXCAVATION PROJECT

KENT, WASHINGTON

NOTES

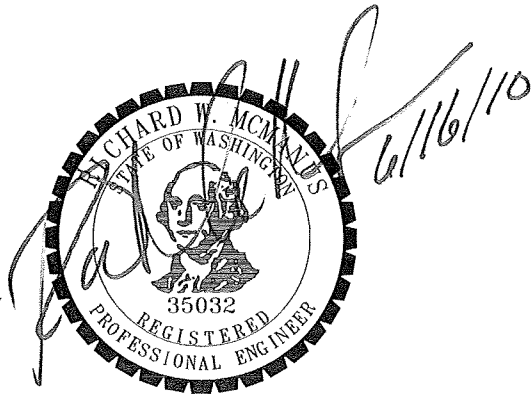
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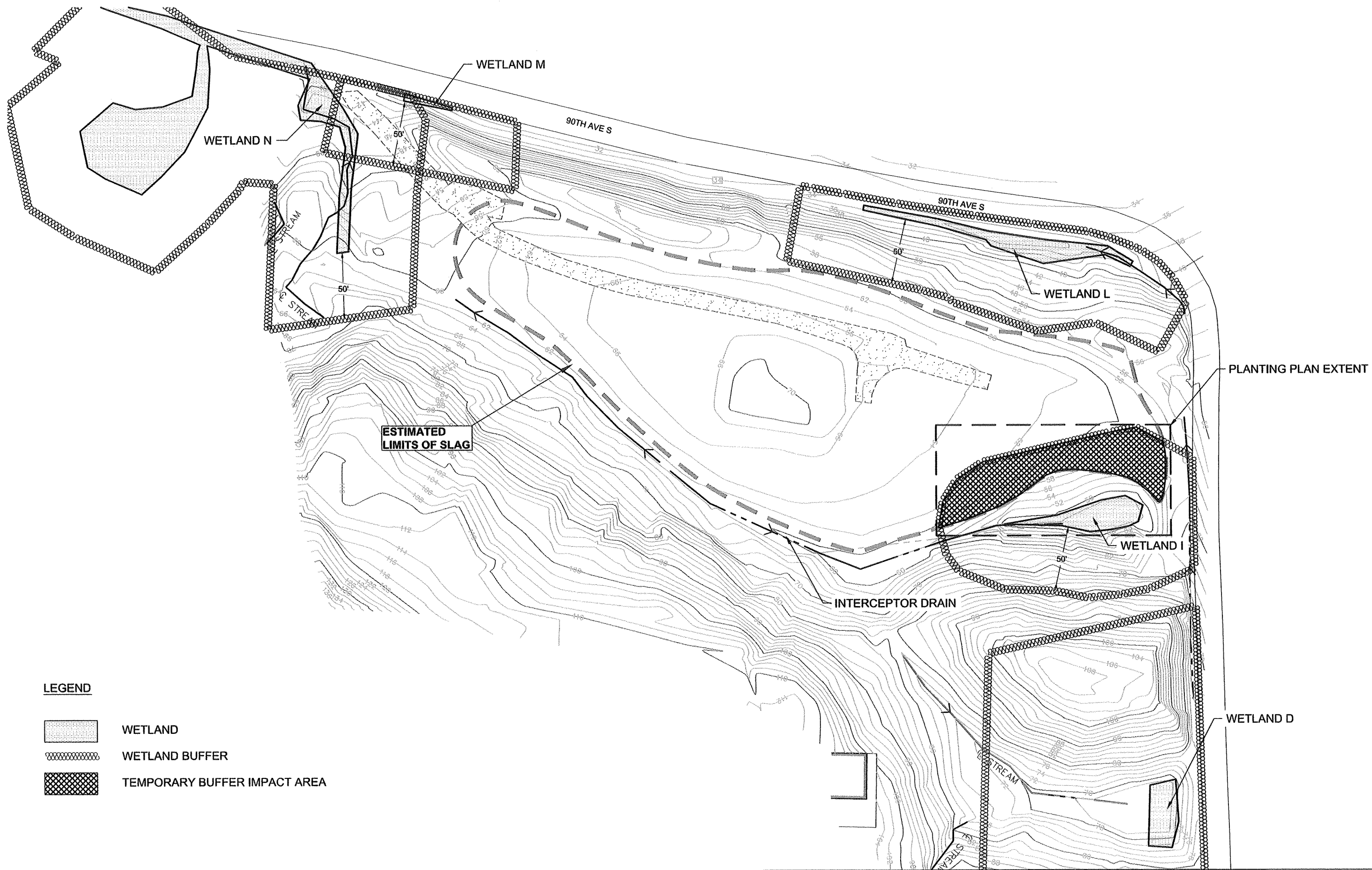
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831-022

FILE NAME:
SHEET SET5.dwg

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DATE	DESCRIPTION	BY	CKD.	APP.

Scale in feet

0 70

CONTOUR INTERVAL: 2 FOOT

PREPARED BY

FARALLON CONSULTING

ANCHOR QEA

PREPARED FOR

EARLE M. JORGENSEN COMPANY

10650 ALAMEDA STREET

LYNWOOD, CALIFORNIA 90262

SLAG DISPOSAL BECKWITH PROPERTY SITE

KENT, WASHINGTON

WETLAND BUFFER PLAN

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PETER C. HUMMEL
CERTIFICATE NO. 422

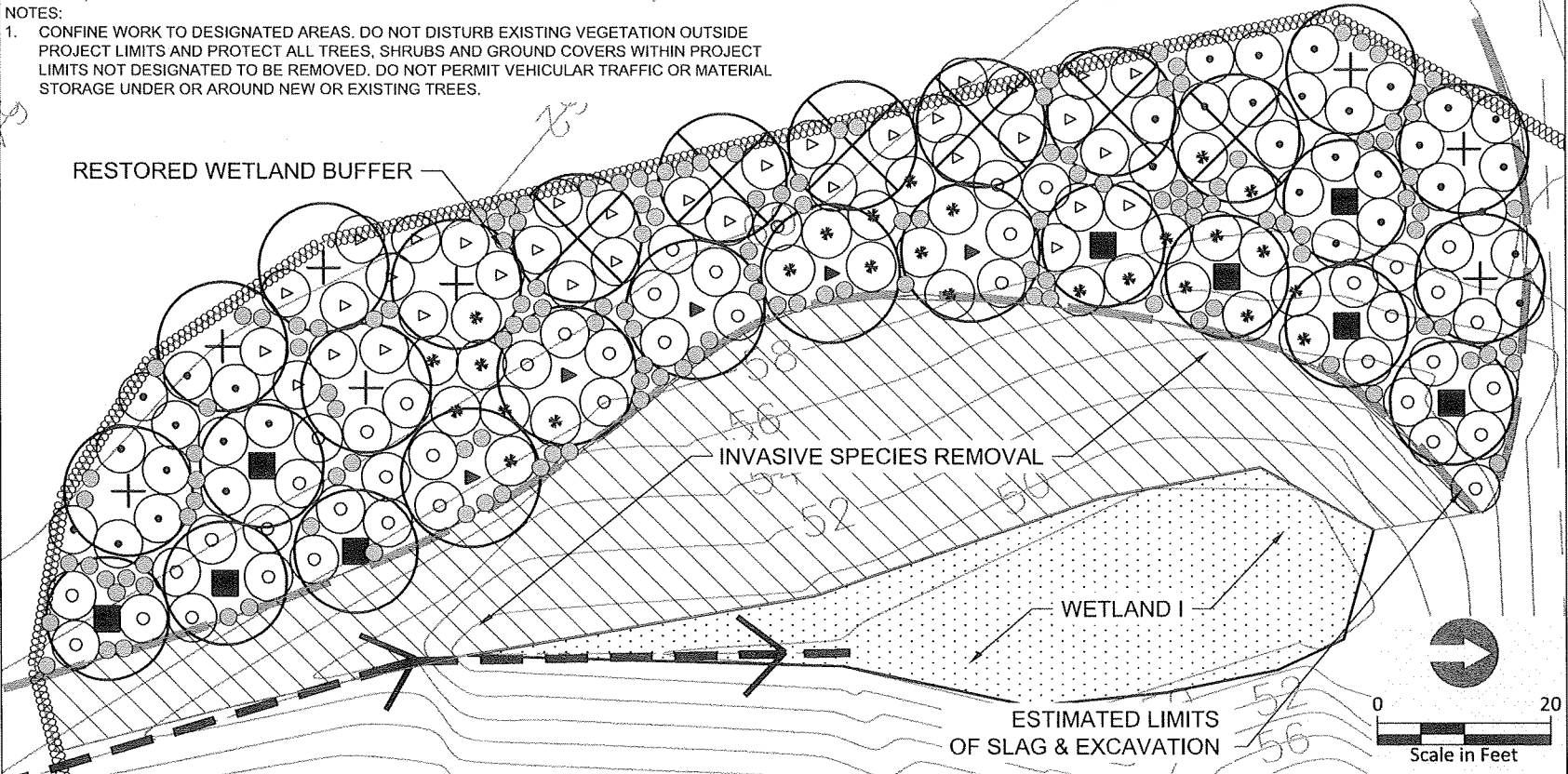
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PROJECT NO.
831-022

FILE NAME:
100224-PL-001.dwg

SHEET NO. OF
W1 3

NOTES:
1. CONFINE WORK TO DESIGNATED AREAS. DO NOT DISTURB EXISTING VEGETATION OUTSIDE PROJECT LIMITS AND PROTECT ALL TREES, SHRUBS AND GROUND COVERS WITHIN PROJECT LIMITS NOT DESIGNATED TO BE REMOVED. DO NOT PERMIT VEHICULAR TRAFFIC OR MATERIAL STORAGE UNDER OR AROUND NEW OR EXISTING TREES.



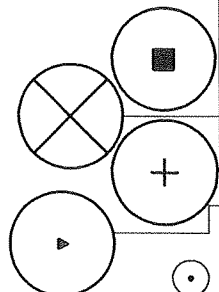
PLANTING PLAN

PLANTING SEQUENCE / NOTES:

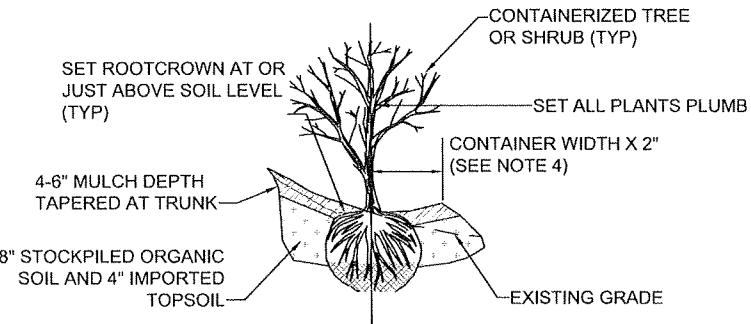
1. STRIP ORGANIC SOIL AND STOCKPILE SEPARATELY FROM SLAG AND OVERBURDEN.
2. RIP, DISC, OR SCARIFY SUBGRADE SOILS TO A MINIMUM DEPTH OF 12 INCHES. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.
3. PLACE 8" OF STOCKPILED SOILS AND 4" OF IMPORTED TOPSOIL WITHIN WETLAND BUFFER PLANTING AREA.
4. DIG PLANTING PIT THAT IS AT LEAST TWICE THE DIAMETER OF CONTAINER. REMOVE ALL ROCKS, ROOTS, STICKS AND OTHER DEBRIS LARGER THAN 1" DIAMETER. SCARIFY THE PLANTING PIT BOTTOM AND SIDES TO A DEPTH OF 4 INCHES.
5. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. SET PLANTS UPRIGHT, PLUMB, AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO EACH OTHER. SET CROWN OF PLANT MATERIAL AT THE FINISH GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PLANTING PIT WITH SOIL, DO NOT USE MUDDY MIXTURES FOR BACKFILLING.
6. SPACE PLANTS USING TRIANGULAR SPACING IN ACCORDANCE WITH PLANT SCHEDULE DIMENSIONS. PLANT GROUND COVERS TO WITHIN 18" OF THE TRUNKS OF TREES AND SHRUBS WITHIN PLANTING AREA AND TO WITHIN 12" OF THE EDGE OF PLANTING AREA. PLANT SHRUBS WITHIN 5' OF THE TRUNKS OF TREES WITHIN PLANTING AREA AND TO WITHIN 3' OF THE EDGE OF PLANTING AREA.
7. SHAPE SOIL TO PROVIDE WATERING RING WITH A DIAMETER EQUAL TO 2X THE CONTAINER WIDTH.
8. MULCH PLANTING BEDS IMMEDIATELY AFTER PLANTING. THOROUGHLY WATER MULCHED AREA. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.

PLANTING SCHEDULE / LEGEND

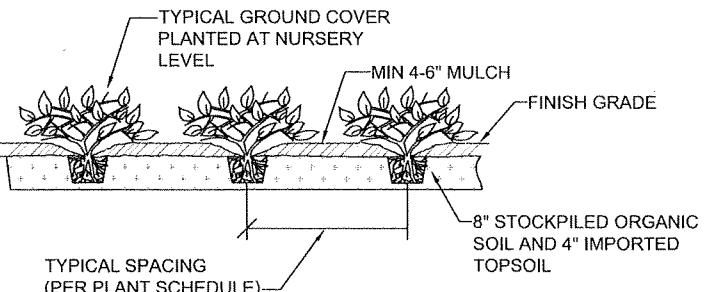
Common Name	Scientific Name	Size	Spacing	Quantity
TREES				
Red Alder	<i>Alnus rubra</i>	5 gal.	15' O.C.	9
Big leaf Maple	<i>Acer macrophyllum</i>	5 gal.	15' O.C.	6
Douglas Fir	<i>Pseudotsuga menziesii</i>	5 gal.	15' O.C.	8
Western Red Cedar	<i>Thuja plicata</i>	5 gal.	15' O.C.	5
SHRUBS				
Indian Plum	<i>Oemleria cerasiformis</i>	1 gal.	6' O.C.	36
Salmonberry	<i>Rubus spectabilis</i>	1 gal.	6' O.C.	45
Nootka Rose	<i>Rosa nutkana</i>	1 gal.	6' O.C.	28
Snowberry	<i>Symphoricarpos albus</i>	1 gal.	6' O.C.	35
GROUND COVER				
Western Sword Fern	<i>Polystichum munitum</i>	1 gal.	As Shown	147



EXISTING WETLAND PREVIOUSLY RESTORED WITH NATIVE PLANTS



1 TREE & SHRUB PLANTING ON SLOPES
SCALE: NTS



2 GROUND COVER PLANTING
SCALE: NTS



PLANTING SPECIFICATIONS

Submittals:

1. Topsoil analysis results of a 5 pound bag from soils testing laboratory, indicate source and obtain Owner's approval before hauling topsoil to site.
2. Source of the mulch supply and a 1 gallon sample for approval before installation.
3. List of nurseries supplying all plant species with Name and phone number of contact person. Submit representative color, dated photographs of each plant species.

Notifications:

Notify the Owner at least five working days prior to the installation of plant material.

Products:

Topsoil:

The Topsoil shall consist of 60 percent Sand Component and 40 percent Composted Organic Amendment by volume and shall meet or exceed the following specifications:

The Sand Component shall meet the following specifications within reasonable variations:

Screen Size	Percent Passing
6.35 mm	95
#10	85
#30	50
#60	40
#100	20
#200	10

The Composted Organic Soil Amendment shall consist of 100 percent decomposed organic mulch material, and shall consist of yard waste debris or other organic waste materials that have been sorted, ground up, aerated, and aged, and shall be fully composted, stable, and mature (non-aerobic). The composting process shall be for at least 6 months' time and the organic amendment shall have a uniform dark, soil-like appearance and consist of 100 percent recycled content. In addition, the organic amendment shall have the following physical characteristics:

1. Shall be certified by the Process to Further Reduce Pathogens (PFRP) guideline for hot composting as established by EPA. Shall be fully mature and stable before usage.
2. Shall be screened using a sieve no finer than 1/4-inch and no greater than 1/2-inch. Based on dry weight of total organic amendment sample, it must comply with the following percent by weight passing:

Sieve Size	Maximum %	Minimum %
12.7 mm (1/2 inch)	0	100
6.35 mm (1/4 inch)	100	95
4.76 mm	100	90
2.38 mm	100	75
1.00 mm	45	70
500 micron	30	0

3. Meets "composted materials" definition in WAC 173-350 Section 220, available at: <http://www.ecy.wa.gov/programs/swfa/compost/>
4. Has Organic Matter Content 35 to 65 percent and Carbon to Nitrogen ratio of 25:1.
5. Shall have heavy metal concentrations below the Washington State Department of Agriculture (WSDA) per year load limits as follows:

Metal	WSDA-Maxium pounds per acre per year
Arsenic	0.297
Cadmium	0.079
Cobalt	0.594
Lead	1.981
Mercury	0.019
Molybdenum	0.079
Nickel	0.713
Selenium	0.055
Zinc	7.329

6. Shall be certified by PFRP guidelines for composting as established by the U.S. Environmental Protection Agency (EPA).

PLANTING SPECIFICATIONS CONTINUED

The topsoil mix shall also have the following characteristics:

1. The pH range shall be from 5.5 to 7.5.
2. The Sodium Adsorption Ratio shall be less than 6.0.
3. The Saturation Extract Concentration of Boron shall be less than 1.0 part per million (ppm).
4. The Water Percolation/Infiltration Rate of the disturbed soil sample shall be a minimum of 0.4 inches per hour.
5. The Soil Structure shall be loose, friable, and not subject to consolidation or compaction.
6. The soil mix shall contain less than 100 plant parasitic nematodes per 100 cubic centimeters (cc) of soil.
7. The soil mix shall be relatively free of soil-borne plant pathogens.
8. Minimal weed seed shall be present, based on germination testing of a representative sample.
9. Non-soil components shall be less than 1 percent by volume (i.e., plastic, sticks, glass, etc.).
10. The Final Topsoil Mix shall contain sufficient quantities of available nitrogen, phosphorus, potassium, calcium, magnesium, sulfate, copper, zinc, manganese, iron, and boron to support normal plant growth. In the event of nutrient inadequacies, provisions shall be made to add required materials prior to planting.

Mulch:

Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It shall be ground so that a minimum of 95% of the material will pass through a 2-inch sieve and no more than 25%, by loose volume, will pass through a No. 4 sieve. The mulch shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust or wood shavings shall not be used as mulch.

Plants:

All plants shall by nursery grown and from a nursery with similar climatic conditions to the locality of the project. Stock furnished shall be at least the minimum size indicated.

Provide only sound, healthy, vigorous plants free from weeds, defects, sunscald injuries, and abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids, open spaces, broken branches, flush cuts or stubs. No plants shall be loose in the container or pot bound.

Plants shall be packed and transported with care. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Owner. Water heeled in plantings daily.

Plant material shall be inspected and approved by the Consultant and the Owner on site prior to installation. Remove unsatisfactory material from the site immediately.

Stock shall not be installed when ambient temperatures are below 35 degrees F or above 80 degrees, or when wind velocity exceeds 30 miles per hour.

Warrant plant material to remain alive and be in healthy, vigorous condition for a period of one year after the date of Physical Completion.

Maintenance:

Maintain planting until acceptance by Owner. Maintenance shall include cultivating, weeding, watering, pruning (only as directed), and application of appropriate insecticides and fungicides necessary to maintain plants free of insects and disease.

Reset settled plants to proper grade and position. Restore planting watering ring and adjacent material and remove dead material.

Water trees, shrub, and ground cover beds within the first 24 hours of initial planting, and not less than twice per week (including rain) until Physical Completion.

Physical Completion:


Inspection to determine Physical Completion of planted areas will be made by the Owner, upon the Contractor's request. Provide notification at least 10 working days before requested inspection date.

Planted areas will be accepted provided all requirements, including the maintenance period have been complied with and plant materials are alive and in a healthy vigorous condition.

Upon Physical Completion, the Owner will assume plant maintenance.

	6/15/10	ISSUED FOR CONSTRUCTION	BMB	PH	6/15/10
	DATE	DESCRIPTION	BY	CKD.	APP.

CONTOUR INTERVAL: 2 FOOT

PREPARED BY  FARALLON CONSULTING		PREPARED FOR EARLE M. JORGENSEN COMPANY 10650 ALAMEDA STREET LYNWOOD, CALIFORNIA 90262	SLAG DISPOSAL BECKWITH PROPERTY SITE KENT, WASHINGTON PLANTING SPECIFICATIONS	SCALE AS SHOWN PROJECT NO. 831-022 FILE NAME: 100224-PL-002.dwg SHEET NO. OF W3 3
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